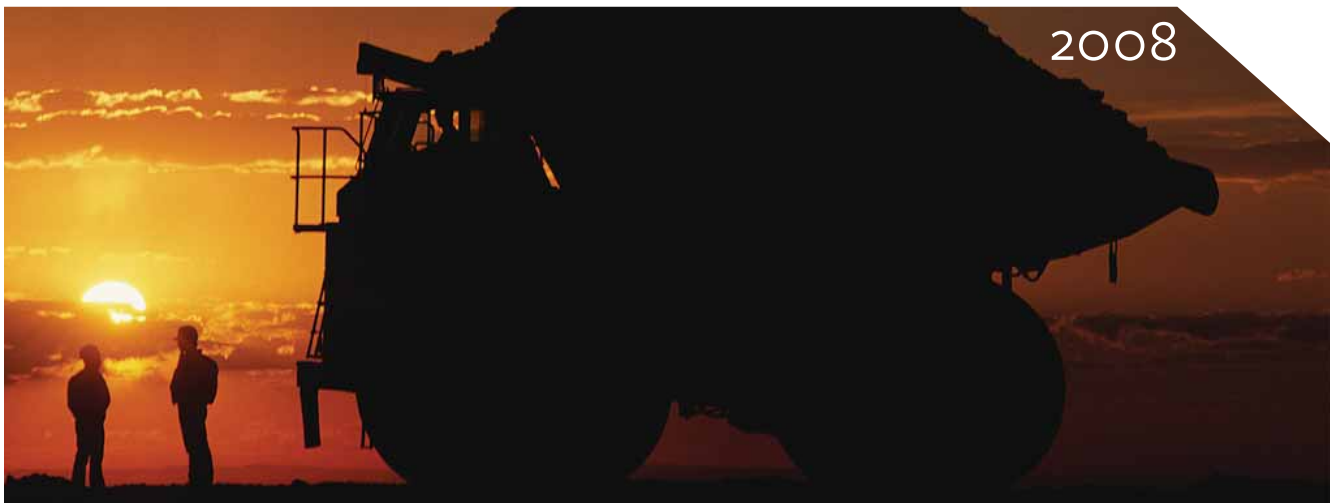




Australian mineral statistics

2008



March quarter 2008

abare.gov.au

© Commonwealth of Australia 2008

This work is copyright. The *Copyright Act 1968* permits fair dealing for study, research, news reporting, criticism or review. Selected tables may be reproduced for such purposes provided acknowledgment of the source is included. Major extracts or the entire document may not be reproduced by any process without the written permission of the Executive Director, ABARE.

ISSN 1447-1159

ABARE 2008, *Australian Mineral Statistics*, March quarter 2008, Canberra, 11 June.

Australian Bureau of Agricultural and Resource Economics

Postal address GPO Box 1563 Canberra 2601 Australia

Location 7b London Circuit ACT 2601
levels 2 and 3

Switchboard +61 2 6272 2000

Facsimile +61 2 6272 2001

Internet abare.gov.au

ABARE is a professionally independent government economic research agency.

ABARE project 1546

Contents

Main features	1
---------------	---

Graphs

Australian energy and mineral exports	2
Resources sector indicators	9
Mineral resources prices	15

Tables

	Exports: value	3
	Production	5
1	Production summary	10
2	Volume of mine production indexes	11
3	Exports summary	11
4	Mineral resources export unit returns	12
5	Imports summary	13
6	Private mineral exploration expenditure	13
7	Mineral resources prices	14
8	Aluminium	17
9	Coal	18
10	Copper	20
11	Diamonds and other gemstones	21
12	Gold	22
13	Iron	23
14	Lead	24
15	Manganese	25
16	Nickel	26
17	Petroleum	27
18	Petroleum production, by basin	30
19	Sales of petroleum products, by state marketing area	31
20	Phosphate	32
21	Salt	32
22	Silver	33
23	Tin	34
24	Titanium	35
25	Uranium	36
26	Zircon	36
27	Zinc	37

Data sources

The statistics in this publication are obtained from several sources, as follows.

- The bulk of mine production data (other than petroleum) is obtained from companies, published company reports and ABARE estimates. Data are supplemented where necessary by information from state mines departments (or their equivalents).
- Petroleum production and sales are based on data obtained from the Resources Division of the Australian Government Department of Resources, Energy and Tourism.
- Smelter and refinery production data are provided by companies operating the major smelters and refineries.
- Trade data are obtained from official ABS compiled statistics, supplemented by ABARE estimates where necessary.
- Price information is from published sources.

The assistance of the organisations supplying data is gratefully acknowledged by ABARE.

Note on mine production data

In most instances, data refer to actual mine output. However, in a small number of cases, despatches or sales data are used as proxies for production.

Quantities of minerals produced are reported in terms of the product in which they leave each mine site. This includes various stages of ore dressing, processing and elementary smelting where these are carried out in an associated plant at, or near, the mine. The output is recorded as ore where no treatment is undertaken at the mine, or as a concentrate where ore dressing operations are carried out.

Definitions

Definitions and explanations

Small discrepancies in totals are generally due to the rounding of components.

zero is used to denote nil or a negligible amount.

p denotes a preliminary figure.

s denotes an ABARE estimate.

Australian merchandise exports: are valued on a free on board (fob) basis at the Australian port of export. The costs of freight, insurance and other distributive services beyond the Australian customs border are not included.

Australian merchandise imports: are valued on a customs value for duty (vfd) basis that is identical to a free on board (fob) basis. The customs vfd is the price actually paid at the port of origin, including inland freight & insurance costs incurred in delivering the commodity to the port of origin. The freight and insurance costs of delivering the commodity(s) to the Australian port of destination are excluded.

Accounting of international merchandise trade: the valuation of Australian merchandise exports and imports used in the accounting of international trade in the Australian Balance of Payments and the international trade statistical system are in accordance with the definitions published in the harmonised international standards determined by the International Monetary Fund, *Balance of Payments Manual* (version 5), 1993 and the United Nations, *System of National Accounts*, 1993.

Common abbreviations and conversions

kg	kilogram	2.20462 lb (pounds)
t	tonne	1000 kilograms
kt	kilotonne	1000 tonnes
Mt	megatonne	1 000 000 tonnes
mtu	metric ton unit	10 kilograms
ct	metric carat	
L	litre	1.761 pints
kL	kilolitre	1000 litres
ML	megalitre	1 000 000 litres
Mm ³	million cubic metres	1 000 000 cubic metres
bbl	barrel	159 litres
oz	troy ounce	0.031 kilograms
\$m	million dollars (Australian)	
fob	free on board	
for	free on rail	
fot	free on truck	
cif	cost, insurance and freight	

Main features

Overview

Prices

In the March quarter 2008, the index of export prices of Australian mineral resources (export unit returns) increased marginally by 0.5 per cent compared with the December quarter 2007, as higher energy prices were almost fully offset by lower prices for metals and other minerals. Strong oil and coal prices supported a 5 per cent increase in prices for energy minerals.

Compared with the March quarter 2007, the index of export prices was nearly 4 per cent lower, with higher energy prices (up nearly 8 per cent) more than offset by a decline in prices for metals and other minerals (down 10 per cent). Prices for metals and other minerals have declined over the past 12 months, largely as a result of increased supply for some commodities and weaker demand growth driven by the uncertainty surrounding the outlook for the US economy.

Exports

Overall, total export earnings from Australia's mineral resources was unchanged at \$27.1 billion in the March quarter 2008, compared with the previous quarter. Stronger prices for a significant proportion of major minerals and energy commodities compensated for the effect of a stronger Australian dollar and lower volumes for some commodities.

There were significant increases in export earnings in the March quarter 2008 for: thermal coal, up \$292 million (16 per cent) to \$2085 million; refined gold, up \$363 million (15 per cent) to \$2858 million; copper, up \$190 million (13 per cent) to \$1700 million; nickel, up \$132 million (10 per cent) to \$1485 million; and iron ore and pellets, up \$190 million (4 per cent) to \$4729 million. The higher earnings reflect slightly higher export volumes and higher prices for most of these commodities.

There were significant declines in export earnings in the March quarter 2008 for: lead, down \$288 million (43 per cent) to \$387 million; uranium oxide, down \$87 million (34 per cent) to \$172 million; zinc, down \$294 million (31 per cent) to \$651 million; metallurgical coal, down \$387 million (12 per cent) to \$2910 million; and alumina, down \$175 million (12 per cent) to \$1286 million.

The decline in the value of metallurgical coal and lead earnings reflects lower export volumes shipped, while the fall in the value of zinc, alumina and uranium oxide earnings is the result of both lower export volumes and lower prices.

Australian energy and mineral exports

Percentage change between December 2007 and March 2008 quarters

	export volume	export value	prices
crude oil ^a	▼ -1	▲ 1	▲ 5
LNG	▲ 1	▲ 4	▲ 3
LPG	▼ -14	▼ -6	▲ 9
metallurgical coal	▼ -17	▼ -12	▲ 7
refinery products	▼ -11	▼ -9	▲ 2
thermal coal	▲ 3	▲ 16	▲ 13
uranium oxide (U ₃ O ₈) ^a	▼ -23	▼ -34	▼ -17
alumina	▼ -9	▼ -12	▼ -3
aluminium (ingot metal) ^a	▲ 2	▲ 2	▲ 12
bauxite	▼ -3	▲ 8	▲ 11
copper ^a	▲ 8	▲ 13	▲ 7
diamonds	▼ -63	▼ -23	▲ 108
gold ^a	▲ 0	▲ 15	▲ 18
iron and steel	▼ -11	▲ 14	▲ 29
iron ore and pellets	▲ 2	▲ 4	▲ 2
lead ^a	▼ -48	▼ -43	▼ -23
manganese ore and concentrate	▼ -5	▲ 44	▲ 51
nickel ^a	▲ 14	▲ 10	▼ -1
salt	▼ -35	▼ -32	▲ 5
silver ^a	NA	▲ 22	▲ 24
tin ^a	▲ 73	▲ 157	▲ 9
titanium and zircon	▲ 3	▼ -2	▼ -5
zinc ^a	▼ -17	▼ -31	▼ -7

^a Prices in US dollars. All other prices are export unit values denominated in Australian dollars.

Exports: value

	unit	2008 Mar qtr	Mar 07 to Mar 08 % change	Dec 07 to Mar 08 % change
Bauxite s	\$m	57	39.8	7.5
Alumina a	\$m	1 286	-13.3	-12.0
Aluminium (ingot metal)	\$m	1 194	-17.6	2.1
Coal, black				
– coking	\$m	2 910	-21.7	-11.7
– steaming	\$m	2 085	21.6	16.3
Copper f	\$m	1 700	10.0	12.6
Diamonds cs	\$m	141	-27.7	-23.0
Gems, other than diamonds	\$m	18	15.9	100.0
Gold, refined	\$m	2 858	13.0	14.5
Iron				
– iron ore and pellets	\$m	4 729	35.0	4.2
– iron and steel	\$m	447	0.1	13.7
Lead f	\$m	387	-10.0	-42.7
Magnesia	\$m	17	16.9	-5.6
Manganese ore and concentrate s	\$m	378	247.1	43.7
Nickel fs	\$m	1 485	-32.4	9.8
Petroleum				
Crude oil and other	\$m	2 564	33.4	1.1
– LNG	\$m	1 505	18.0	4.3
– LPG	\$m	299	37.5	-6.3
– refinery products	\$m	332	45.1	-9.3
Salt	\$m	41	-31.7	-31.7
Silver, refined	\$m	56	6.7	21.7
Tin f	\$m	18	92.8	157.1
Titanium				
– ilmenite concentrate d	\$m	31	7.7	3.3
– leucoxene concentrate	\$m	2	-79.8	0.0
– rutile concentrate	\$m	71	11.2	-1.4
– synthetic rutile s	\$m	74	-5.0	-5.1
– titanium dioxide pigment	\$m	92	-5.2	-2.1
Uranium oxide (U ₃ O ₈)	\$m	172	21.0	-33.6
Zinc f	\$m	651	-34.8	-31.1
Zircon concentrate e	\$m	107	-17.6	-0.9

a Includes aluminium hydroxide. b Metallic content of all ores, concentrates, intermediate products (where applicable) and refined metal. c Unsorted and sorted. d Bulk and bagged ilmenite before January 1992; bulk only thereafter. e All grades, bulk and bagged, before January 1992, standard grade only thereafter. f Value of all ores, concentrates, intermediate products (where applicable) and refined metal. s ABARE estimate. na Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

Production

Production of a wide range of key minerals and energy commodities was lower in the March quarter, largely as a result of adverse seasonal weather conditions (cyclones and heavy rainfall) during the quarter. Production was lower for diamonds, blister copper, gold mine, refined copper, zinc ores and concentrates, uranium oxide, copper ores and concentrates, salable black coal and natural gas.

Wet weather, causing damage to the pit access ramp and restricted access to higher grade ore, resulted in lower diamond production at Rio Tinto's Argyle mine in Western Australia. Production from the Argyle mine is likely to continue to fluctuate as the company makes the transition from opencut mining to underground mining.

Oil and gas production was lower in the quarter as a result of maintenance at some fields and cyclones off the north coast of Western Australia. The reduction in production of copper ores and concentrates, blister copper and refined copper was attributable to lower production at BHP Billiton's Olympic Dam and Xstrata's Mount Isa mines. Lower production of lead and zinc ores and concentrates was the result of the closure of Perilya's Beltana mine in South Australia. Australian production of uranium oxide declined by 14 per cent to 2510 tonnes in the March quarter in line with lower production at the Ranger and Olympic Dam mines.

The production of lead bullion increased by 21 per cent during the March quarter compared with the December quarter. This reflected a return to normal production after the fire at Xstrata's Mount Isa zinc-lead concentrator in October, 2007.

Production

	unit	2008 Mar qtr	Mar 07 to Mar 08 % change	Dec 07 to Mar 08 % change
Bauxite	kt	15 905	4.0	-1.0
Alumina	kt	4 792	7.8	-2.7
Aluminium (ingot metal)	kt	486	0.8	-1.6
Coal				
- black, raw s	Mt	90	-9.1	-8.2
- black, salable s	Mt	68	-11.7	-11.7
- brown a s	Mt	na		
Copper				
- mine b s	kt	205	-6.8	-13.9
- blister c	kt	88	-18.5	-18.5
- refined	kt	101	-15.1	-15.8
Diamonds	'000 ct	2 277	-36.4	-62.9
Gold				
- mine b s	t	52	-14.8	-16.1
- refined	t	99	7.6	-1.0
Iron				
- iron ore and concentrate	kt	80 564	19.7	-1.4
- iron	kt	1 636	3.2	1.9
- raw steel	kt	2 021	3.1	3.1
Lead				
- mine b s	kt	169	1.8	5.6
- bullion c	kt	41	64.0	20.6
- refined	kt	52	10.6	2.0
Manganese	kt	1 254	2.0	-7.8
Nickel				
- mine b s	kt	49	4.3	4.3
- intermediate	kt	15	0.0	25.0
- refined, class 1	kt	26	13.0	4.0
- refined, class 2	kt	6	20.0	100.0
Petroleum, field				
- crude oil and condensate	ML	5 916	-9.8	-7.4
- LPG (naturally occurring)	ML	829	-20.1	-17.3
- natural gas	Mm ³	8 989	-0.8	-10.4
Petroleum, refinery				
LPG	ML	396	15.5	12.2
- automotive gasoline	ML	3 814	-10.5	-11.1
- aviation turbine fuel	ML	1 262	-1.2	-5.3
- automotive diesel oil	ML	2 926	0.6	-7.3
- other	ML	969	26.3	1.6
- total	ML	9 368	-2.0	-7.1

continued...

Production *continued*

	unit	2008 Mar qtr	Mar 07 to Mar 08 % change	Dec 07 to Mar 08 % change
Salt	kt	2 790	8.6	0.9
Silver				
- mine bs	t	500	5.5	7.8
- refined	t	149	-4.5	8.0
Tin				
- mine bs	t	483	-17.6	-9.9
- refined	t	0	-100.0	na
Titanium				
- ilmenite concentrate	kt	585	-1.2	0.2
- leucoxene concentrate	kt	29	-14.7	-32.6
- rutile concentrate	kt	87	31.8	-3.3
- synthetic rutiles	kt	151	-13.7	-17.0
- titanium dioxide pigment	kt	50	-2.0	-3.8
Uranium oxide (U ₃ O ₈)	t	2 510	20.6	-14.1
Zinc				
- mine bs	kt	365	12.7	-13.7
- refined	kt	121	1.7	-6.2
Zircon concentrate	kt	147	8.9	-5.8

a Quarterly data are not available. b Total metallic content of minerals produced.

c Metallic content. s ABARE estimate. na Not available.

Sources: Australian Bureau of Statistics, Canberra; Joint Coal Board; Queensland Coal Board; ABARE.

Commodity highlights

Energy

Oil and gas

In the March quarter 2008, Australia's oil production totalled 5.9 gigalitres, 7 per cent lower than the December quarter 2007 and 10 per cent lower year on year. Natural gas production was also lower in the March quarter, declining by 10 per cent to around 8990 million cubic metres. Lower oil and gas production reflects adverse seasonal weather conditions along the northern coast of Western Australia and maintenance at a number of facilities, including the Karratha gas plant and the Mutineer Exeter oil field.

However, export earnings from petroleum products increased by 0.8 per cent in the March quarter compared with the December quarter. A higher crude oil price was the underlying factor.

Coal

Australian production of raw and salable black coal is estimated to have declined in the March quarter by 8 per cent and 12 per cent, respectively. This decline largely stemmed from lower coal production in Queensland following significant rainfall in the Bowen Basin at the beginning of 2008. A number of mines were forced to declare force majeure as floodwater entered pits and cut access roads to mines.

Export earnings from black coal declined by 2 per cent in the March quarter compared with the previous quarter as higher thermal coal export earnings were more than offset by a decline in earnings from metallurgical coal exports. The decline in metallurgical coal export earnings reflects lower export volumes.

Uranium

Production of uranium oxide decreased by 411 tonnes (14 per cent) in the March 2008 quarter compared with the December quarter because of lower production from the Ranger and Olympic Dam mines. Production at these mines was adversely affected by lower grade ores. Accordingly, export earnings from uranium declined by 34 per cent in the March quarter, reflecting lower export volumes and prices.

Metals and other minerals

Iron ore

Australian iron ore production was down more than 1 per cent in the March quarter owing to seasonal conditions. Production is traditionally lower in the March quarter because of tropical rain and storms in Western Australia. Despite this, export earnings from iron ore and pellets increased by 4 per cent in the March quarter, underpinned by higher export volumes. Higher export volumes during the quarter are a result of the timing of shipments.

Gold

Australia's gold mine production was 10 tonnes (16 per cent) lower in the March quarter. Production during the quarter was the lowest since June 1992. This reflects the closure of several mines, lower than expected production at a number of new projects and changes to mine sequencing plans by several major producers. Export earnings from gold increased by 15 per cent in the March quarter, largely reflecting a 18 per cent increase in export prices.

Copper

Production of all forms of copper (mine, blister and refined) declined in the March quarter compared with the December quarter. Lower mine production resulted from reduced output at the Northparkes, Mount Isa, Osborne and Nifty mines. Lower concentrate processing at the Mount Isa mine contributed to lower refined output from the Townsville Copper Refinery. Despite lower production in the March quarter, export earnings from copper increased, reflecting higher export volumes and export prices.

Nickel

Nickel mine production remained relatively unchanged in the March quarter from that in the December quarter. The value of nickel earnings increased by 10 per cent in the March quarter as higher export volumes offset lower export prices.

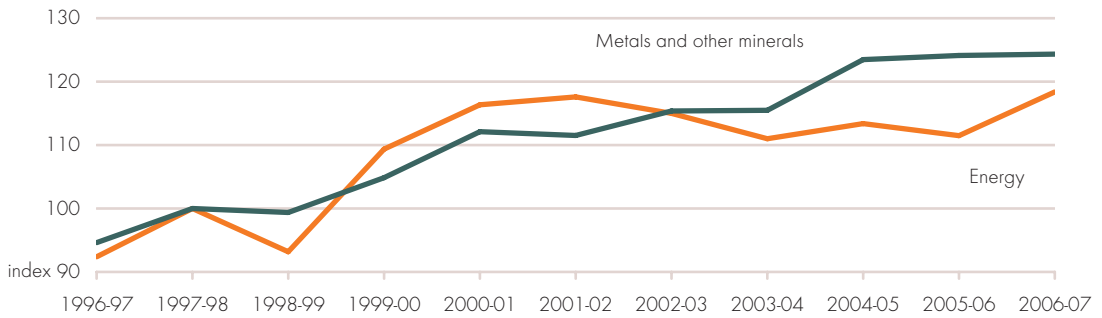
Zinc

Zinc mine production declined by 58 000 tonnes (14 per cent) in the March quarter compared with the December quarter. Production was lower because of the closure of Perilya's Beltana mine in South Australia in February 2008. Refined production was largely unchanged over the quarter. Export earnings from zinc declined by 31 per cent during the March quarter because of lower volumes of ores and concentrates shipped and lower zinc prices.

Resources sector indicators

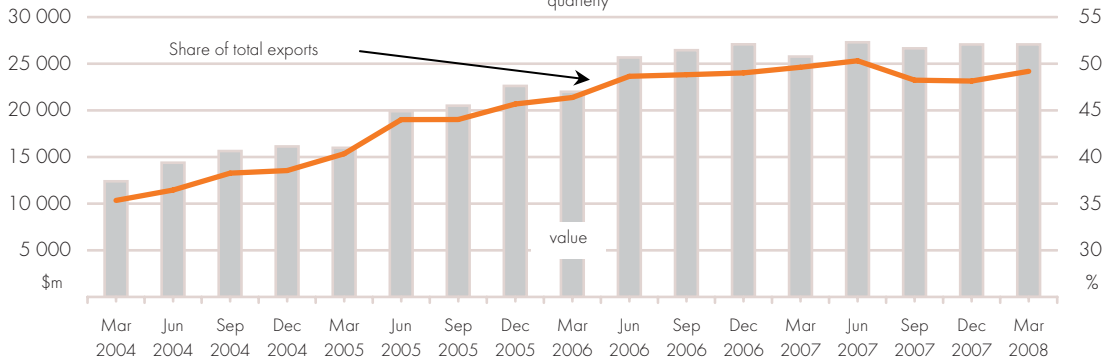
Mine production

base: 1997-98 = 100



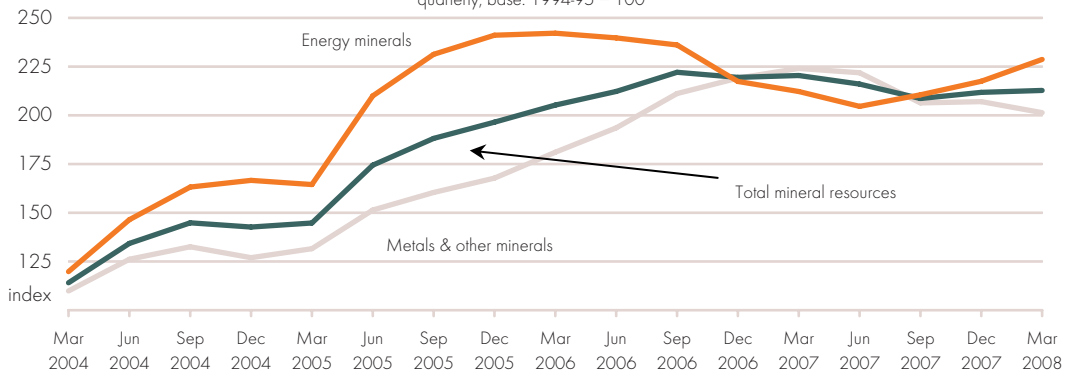
Mineral resources exports

quarterly



Export unit returns

quarterly, base: 1994-95 = 100



1 Production summary

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Bauxite	kt	60 874	62 684	15 789	15 288	15 621	15 456	16 063	15 905
Alumina	kt	17 826	18 306	4 800	4 447	4 671	4 802	4 924	4 792
Aluminium (ingot metal)	kt	1 912	1 954	493	482	488	493	494	486
Coal									
Black, raw	Mt	398	414	104	99	106	112	98	90
Black, salable	Mt	307	324	83	77	82	84	77	68
Brown as	Mt	68	72	na	na	na	na	na	na
Copper									
Mine bs	kt	936	859	210	220	213	200	238	205
Blister c	kt	404	389	92	108	103	80	108	88
Refined s	kt	461	435	105	119	113	90	120	101
Diamonds	'000 ct	25 354	24 632	8 132	3 582	4 524	4 980	6 145	2 277
Gold									
Mine bs	t	248	249	65	61	62	60	62	52
Refined	t	380	360	87	92	99	84	100	99
Iron									
Iron ore and concentrate s	kt	263 815	287 653	72 491	67 296	75 778	74 202	81 733	80 564
Iron and steel s	Mt	7 866	8 010	2 006	1 982	2 001	2 058	2 006	2 039
Lead									
Mine bs	kt	762	642	152	166	157	158	160	169
Bullion c	kt	141	114	23	25	32	34	34	41
Refined	kt	234	191	59	47	60	44	51	52
Manganese s	kt	4 088	5 071	1 252	1 229	1 345	1 355	1 360	1 254
Nickel									
Mine bs	kt	186	192	51	47	47	44	47	49
Intermediate	kt	47	57	16	15	13	13	12	15
Refined, class 1	kt	105	104	28	23	25	27	25	26
Refined, class 2	kt	10	15	3	5	4	2	3	6
Petroleum, field									
Crude oil and condensate s	ML	24 315	28 555	7 297	6 558	7 037	6 736	6 390	5 916
LPG (naturally occurring)	ML	4 722	4 550	1 143	1 037	1 077	1 145	1 002	829
Natural gas	Mm ³	38 016	39 331	9 812	9 059	10 184	10 681	10 031	8 989
Petroleum, total refinery	ML	36 274	38 795	10 001	9 558	10 149	10 343	10 084	9 368
Salt s	kt	11 467	10 687	3 072	2 569	2 569	2 899	2 764	2 790
Silver									
Mine bs	t	2 218	1 674	340	474	467	475	464	500
Refined	t	655	618	165	156	156	174	138	149
Tin									
Mine bs	t	1 805	2 061	1 961	586	558	391	536	483
Refined s	t	736	321	97	68	50	0	0	0
Titanium									
Ilmenite concentrate s	kt	2 185	2 393	598	592	572	578	584	585
Leucoxene concentrate	kt	87	174	48	34	52	42	43	29
Rutile concentrate s	kt	184	279	68	66	76	80	90	87
Synthetic rutile s	kt	711	729	181	175	190	179	182	151
Titanium dioxide pigment s	kt	208	207	55	51	52	53	52	50
Uranium oxide (U ₃ O ₈)	t	9 974	9 594	2 715	2 081	2 670	2 473	2 921	2 510
Zinc									
Mine bs	kt	1 380	1 375	352	324	375	392	423	365
Refined	kt	446	496	129	119	127	127	129	121
Zircon concentrate	kt	442	561	139	135	161	148	156	147

a Quarterly data are not available. **b** Total metallic content of minerals produced. **c** Metallic content. **p** Preliminary. **s** ABARE estimate. **na** Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

2 Volume of mine production indexes ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Energy minerals	109.4	116.4	117.6	115.0	111.0	113.4	111.5	118.4
Metals and other minerals	104.9	112.1	111.5	115.4	115.5	123.5	124.1	124.3
Total minerals	107.4	114.5	114.9	115.2	113.3	118.6	118.0	121.1

^a Uranium included with energy.

Note: ABARE revised the method for calculating production indexes in October 1999. The indexes are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

3 Exports summary

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Bauxite	kt	5 639	5 700	1 433	1 329	1 575	2 191	2 061	2 005
Alumina ^a	kt	14 499	15 056	4 091	3 546	3 720	3 894	4 103	3 731
Aluminium (ingot metal)	kt	1 617	1 638	402	404	398	439	413	420
Coal, black									
Metallurgical	Mt	120.48	131.97	31.56	32.55	35.08	34.71	35.86	29.66
Thermal	Mt	110.82	111.62	28.21	28.58	27.49	27.59	28.55	29.32
Copper ^{bs}	kt	790	699	178	183	167	180	177	191
Diamonds ^{cs}	'000 ct	25 354	24 632	8 132	3 582	4 524	4 980	6 145	2 277
Gold ^{bs}	t	315.24	399.69	93.12	96.00	117.75	107.84	89.35	89.69
Iron									
Iron ore and pellets	kt	239 380	257 365	67 331	58 624	67 179	68 321	72 785	74 091
Iron and steel ^s	kt	2 428	2 648	674	678	663	618	561	497
Lead ^{bs}	kt	756	635	180	157	142	152	169	87
Manganese ore and concentrate	kt	3 215	4 667	1 224	1 107	1 248	1 190	1 326	1 263
Nickel ^{ds}	kt	170	215	59	52	52	51	50	57
Petroleum									
Crude oil and other refinery feedstock	ML	13 026	15 965	4 216	3 951	3 734	4 017	4 015	3 957
LNG	Mt	12.50	15.20	3.90	3.95	3.90	3.40	3.70	3.75
LPG	ML	2 800	2 824	814	593	686	788	690	597
Refinery products	ML	2 102	1 762	440	395	421	555	507	451
Salt	kt	10 776	10 749	2 964	2 575	2 821	2 396	2 848	1 861
Tin ^b	t	1 556	1 867	433	663	550	569	751	1 299
Titanium									
Ilmenite concentrate	kt	722	999	312	248	169	224	234	257
Leucoxene concentrate	kt	86	123	23	46	26	47	3	3
Rutile concentrate	kt	169	307	80	77	82	87	99	102
Synthetic rutile ^s	kt	472	508	131	112	126	131	128	126
Titanium dioxide pigment	kt	177	171	39	40	48	45	44	43
Uranium oxide (U ₃ O ₈)	t	10 253	9 519	3 005	1 725	2 933	2 486	3 088	2 385
Zinc ^b	kt	1 328	1 321	349	293	374	387	409	339
Zircon concentrate	kt	438	555	137	143	152	152	163	161

continued

3 Exports summary

continued

		quarter							
		2005-06	2006-07 ^p	2006-07 ^p			2007-08 ^p		Mar
				Dec	Mar	June	Sept	Dec	
Bauxite	\$m	127	153	38	41	44	59	53	57
Alumina ^a	\$m	5 262	6 243	1 710	1 484	1 499	1 530	1 461	1 286
Aluminium (ingot metal)	\$m	4 788	5 650	1 384	1 449	1 360	1 390	1 169	1 194
Coal, black									
Metallurgical	\$m	17 003	15 039	3 739	3 716	3 521	3 358	3 297	2 910
Thermal	\$m	7 206	6 758	1 704	1 715	1 635	1 694	1 793	2 085
Copper ^e	\$m	5 653	6 526	1 703	1 544	1 648	1 657	1 510	1 700
Diamonds ^{cs}	\$m	836	726	199	194	125	183	183	141
Gems, other than diamonds	\$m	59	49	9	16	9	13	9	18
Gold, refined	\$m	7 089	10 320	2 362	2 529	3 030	2 734	2 495	2 858
Iron									
Iron ore and pellets	\$m	12 854	15 512	4 016	3 502	4 085	4 143	4 539	4 729
Iron and steel ^s	\$m	1 674	1 743	447	444	431	401	393	447
Lead ^e	\$m	1 296	1 579	395	431	425	514	675	387
Manganese ore and concentrate	\$m	424	482	124	109	136	209	263	378
Nickel ^{es}	\$m	3 128	8 381	2 060	2 197	2 474	1 495	1 353	1 485
Petroleum									
Crude oil and other refinery feedstock	\$m	6 638	8 317	2 070	1 922	2 009	2 236	2 537	2 564
LNG	\$m	4 416	5 222	1 396	1 275	1 188	1 173	1 443	1 505
LPG	\$m	1 002	1 038	275	218	257	305	319	299
Refinery products	\$m	1 195	1 098	252	229	275	356	366	332
Salt	\$m	229	239	62	60	62	53	60	41
Silver, refined	\$m	197	221	54	52	67	49	46	56
Tin ^e	\$m	12	25	5	9	8	9	7	18
Titanium									
Ilmenite concentrate	\$m	76	113	33	28	20	22	30	31
Leucoxene concentrate	\$m	25	35	7	10	8	9	2	2
Rutile concentrate	\$m	138	259	66	64	74	66	72	71
Synthetic rutile ^s	\$m	321	361	91	78	96	82	78	74
Titanium dioxide pigment	\$m	441	408	96	97	107	101	94	92
Uranium oxide (U ₃ O ₈)	\$m	546	660	194	142	198	285	259	172
Zinc ^e	\$m	2 540	4 298	1 208	999	1 121	1 138	945	651
Zircon concentrate	\$m	398	478	123	130	113	101	108	107
Other mineral resources ^f	\$m	5 212	4 657	1 258	1 083	1 270	1 280	1 503	1 380
Total mineral resources ^g	\$m	90 786	106 595	27 082	25 770	27 296	26 648	27 065	27 073
Total merchandise	\$m	154 425	169 535	43 558	40 109	42 794	43 054	43 645	42 544
Total goods and services	\$m	196 274	215 601	55 249	51 936	54 249	55 243	56 216	55 042

^a Includes aluminium hydroxide. ^b Metallic content of all ores, concentrates, intermediate products (where applicable) and refined metal. ^c Unsorted and sorted. ^d Includes metal content of ores and concentrates, intermediate products and nickel metal. ^e Value of all ores, concentrates, intermediate products (where applicable) and refined metal. ^f Derived as the difference between total mineral resources exports, below, and the sum of the above items. ^g Total mineral resource exports on an ABARE balance of payments basis. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

4 Mineral resources export unit returns ^a

	quarter							
	2005-06	2006-07 ^p	2006-07 ^p			2007-08 ^p		Mar
			June	Sept	Dec	Mar	June	
Energy minerals	239.7	236.1	217.4	212.2	204.6	210.5	217.5	228.7
Metals and other minerals	193.6	211.2	219.1	224.0	221.8	206.4	207.0	201.4
Total mineral resources	212.3	222.1	219.5	220.4	216.0	208.6	211.8	212.8

^a Base: 1994-95 = 100. ^p Preliminary.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

5 Imports summary

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Quantity									
Diamonds a	'000 ct	4 098	3 430	1 002	789	817	803	930	620
Iron ore	kt	5 026	4 722	1 683	757	1 017	1 098	1 345	1 074
Ingot steel	kt	2 191	2 318	530	657	513	489	405	418
Ferroalloys	kt	57	87	17	14	17	17	18	38
Petroleum									
Crude oil and other refinery feedstock	ML	24 416	25 345	6 230	6 600	6 594	6 965	7 123	6 408
Refinery products	ML	15 124	18 286	4 462	4 377	5 260	4 788	4 717	6 416
Phosphate rock	kt	655	472	146	55	148	93	279	109
Value									
Diamonds a	\$m	403	397	98	106	102	104	120	113
Gold b	\$m	4 800	5 309	1 320	1 290	1 537	1 882	1 414	1 905
Iron ore	\$m	222	338	117	60	89	84	92	73
Ingot steel	\$m	2 075	2 479	610	721	609	562	493	526
Ferroalloys	\$m	123	116	35	22	30	33	35	37
Petroleum									
Crude oil and other refinery feedstock	\$m	12 820	13 360	3 061	3 196	3 574	3 882	4 417	4 286
Refinery products	\$m	8 761	8 583	2 021	1 905	2 488	2 255	2 745	3 906
Phosphate rock	\$m	42	32	8	4	11	7	23	8
Silver	\$m	33	98	23	42	4	4	21	26
other	\$m	637	985	204	371	170	227	357	362
total	\$m	29 916	31 698	7 498	7 718	8 615	9 040	9 716	11 242

a Includes sorted and unsorted, gem and industrial diamonds, and diamond dust and powder. **b** Refined and unrefined bullion. **p** Preliminary.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

6 Private mineral exploration expenditure

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Sept	Dec	Mar	June	Sept	Dec
Energy									
Petroleum									
Onshore	\$m	355.8	498.2	107.8	144.5	110.3	135.6	113.4	159.8
Offshore	\$m	906.1	1 727.3	380.8	400.0	350.0	596.5	584.9	610.2
Total	\$m	1 261.9	2 225.5	488.6	544.5	460.3	732.1	698.3	770.0
Coal	\$m	166.4	193.2	50.5	60.0	38.8	43.9	50.1	59.8
Uranium	\$m	56.1	114.1	24.7	27.6	24.3	37.5	50.0	69.6
Total energy	\$m	1 484.4	2 532.8	563.8	632.1	523.4	813.5	798.4	899.4
Metals and other minerals									
Copper	\$m	139.5	234.5	52.7	53.5	51.2	77.1	65.2	70.2
Diamonds	\$m	22.6	26.9	8.6	10.2	3.3	4.8	5.0	5.3
Gold	\$m	399.6	455.9	104.3	125.0	103.6	123.0	129.6	146.7
Iron ore	\$m	161.3	285.4	70.1	72.5	54.0	88.8	112.8	98.5
Mineral sands	\$m	29.2	37.3	7.7	10.8	9.5	9.3	7.2	10.5
Nickel, cobalt	\$m	146.0	181.1	39.8	42.8	40.6	57.9	66.8	85.9
Silver, lead and zinc	\$m	71.2	139.4	26.3	34.1	33.5	45.5	56.9	51.5
Other	\$m	48.8	46.8	9.9	11.7	10.5	14.7	19.8	27.9
Total metals and other minerals	\$m	1 018.2	1 407.3	319.4	360.6	306.2	421.1	463.3	496.5
Total expenditure	\$m	2 502.6	3 940.1	883.2	992.7	829.6	1 234.6	1 261.7	1 395.9

Sources: Australian Bureau of Statistics, Canberra; ABARE.

7 Mineral resources prices

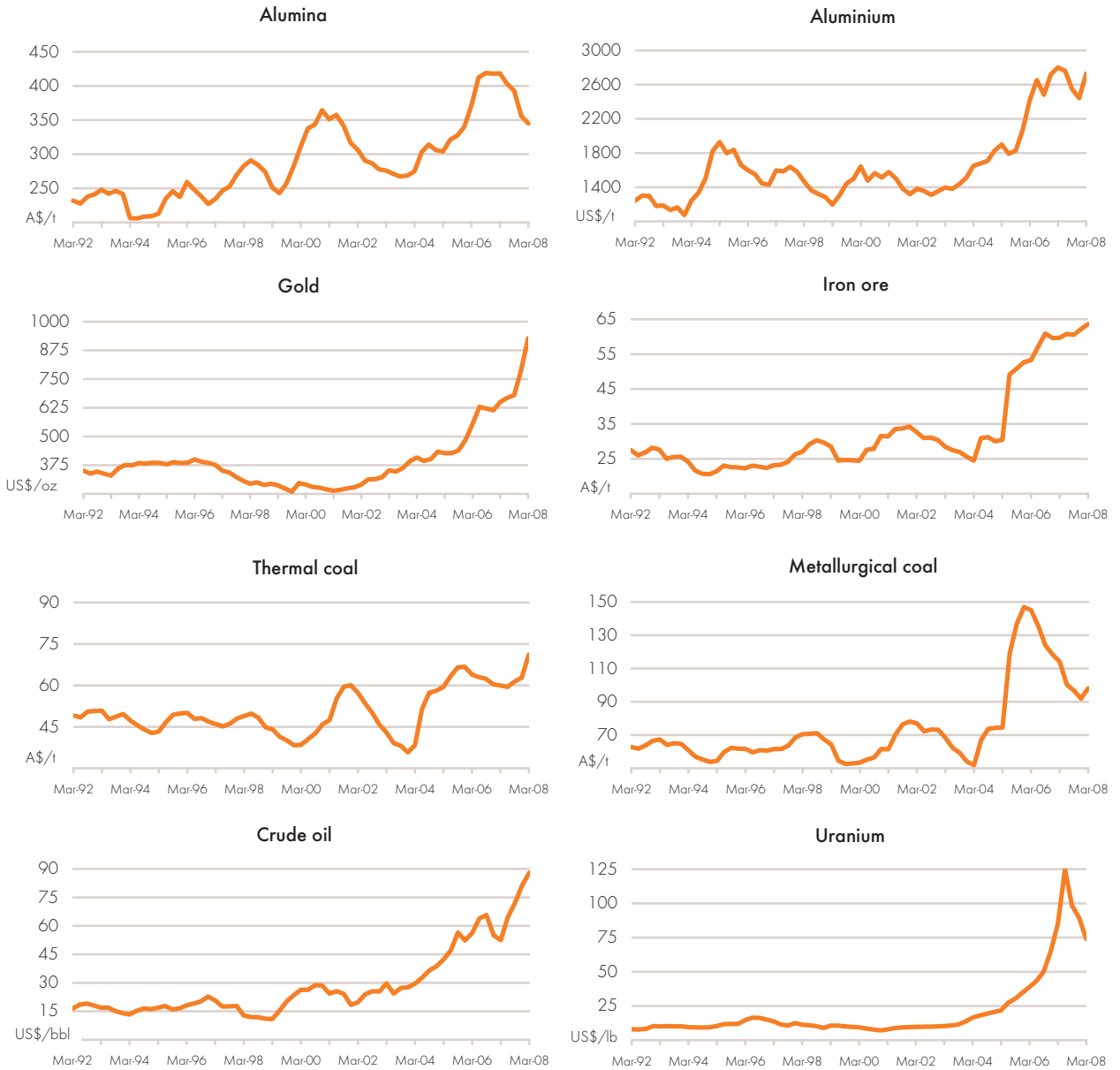
	Alumina avg export unit value A\$/t	Aluminium (high grade) LME cash US\$/t	Gold London AM fix US\$/oz	Iron ore a avg export unit value A\$/t	Thermal coal avg export unit value A\$/t	Metallurgical coal avg export unit value A\$/t	Crude oil b world trade wt'd ave US\$/bbl	Uranium c Industry spot price US\$/lb
2004-05	311.47	1 806.85	422.49	35.54	59.55	86.12	41.18	22.20
2005-06	362.90	2 244.69	526.95	53.70	65.02	141.13	57.25	36.79
2006-07	414.63	2 692.18	638.56	60.27	60.54	113.96	59.45	81.17
2007								
January	408.95	2 809.30	630.35	58.91	59.17	114.66	50.77	75.00
February	421.36	2 832.20	664.60	60.59	62.51	112.52	53.65	85.00
March	425.15	2 761.73	655.89	59.56	58.63	114.95	58.70	95.00
April	399.41	2 814.79	680.01	60.57	59.88	101.45	63.67	113.00
May	402.63	2 794.69	668.31	61.40	59.52	99.77	63.91	125.00
June	406.91	2 677.45	655.71	60.45	58.95	99.90	66.89	136.00
July	379.18	2 732.91	665.27	59.43	58.23	92.69	72.87	120.00
August	408.13	2 515.77	664.53	61.65	62.87	98.00	69.48	90.00
September	391.37	2 391.25	710.65	60.61	63.22	99.35	73.88	85.00
October	351.16	2 442.37	754.48	58.60	60.33	90.41	78.16	85.00
November	350.42	2 508.25	808.31	62.19	61.67	91.74	88.86	93.00
December	365.25	2 381.69	803.62	65.81	65.70	93.73	87.62	90.00
2008								
January	347.62	2 445.52	887.78	64.87	67.39	93.05	89.87	78.00
February	347.06	2 776.93	924.28	61.76	68.73	97.64	90.84	73.00
March	340.22	3 005.29	971.06	64.22	76.91	104.16	100.48	71.00

	Copper (high grade) LME cash US\$/t	Lead LME cash US\$/t	Zinc (high grade) LME cash US\$/t	Silver d London fix US\$/troy oz	Nickel LME cash US\$/t	Ilmenite e avg export unit value A\$/t	Rutile f avg export unit value A\$/t	Zircon g avg export unit value A\$/t
2004-05	3 151.00	964.08	1 170.95	694.94	14 957.03	99.29	717.20	746.27
2005-06	5 062.00	1 061.35	2 117.81	927.82	15 487.81	105.92	816.59	908.63
2006-07	7 086.78	1 694.20	3 672.41	1 274.16	37 942.21	112.89	845.61	861.55
2007								
January	5 669.61	1 666.68	3 786.66	1 283.86	36 806.59	117.07	937.98	1 167.70
February	5 676.45	1 777.10	3 309.50	1 391.00	41 184.25	123.20	872.17	1 118.49
March	6 452.48	1 914.05	3 271.30	1 318.43	46 324.77	109.26	861.21	1 121.02
April	7 766.47	2 000.95	3 557.47	1 373.84	50 266.84	112.76	808.14	1 051.13
May	7 682.17	2 100.64	3 830.29	1 314.64	52 179.05	85.20	803.33	1 070.32
June	7 475.88	2 425.98	3 603.26	1 314.43	41 718.57	149.96	796.70	1 049.30
July	7 977.05	3 089.50	3 546.91	1 290.93	33 425.68	101.32	722.80	1 071.78
August	7 513.50	3 119.45	3 244.73	1 236.32	27 606.82	96.45	765.74	1 057.47
September	7 648.98	3 226.55	2 896.40	1 283.35	29 537.50	na	758.86	1 045.24
October	8 008.43	3 719.72	2 975.33	1 365.26	31 055.43	na	716.54	1 011.43
November	6 966.70	3 328.18	2 541.32	1 470.16	30 610.23	na	709.63	967.93
December	6 587.67	2 596.08	2 353.08	1 429.87	25 991.94	na	760.17	981.94
2008								
January	7 061.02	2 608.14	2 340.11	1 596.11	27 689.55	na	715.88	950.93
February	7 887.69	3 079.88	2 438.14	1 756.90	27 955.48	na	656.48	964.96
March	8 439.29	3 008.58	2 509.53	1 950.55	31 225.26	na	781.32	873.01

a Lump and fines. **b** US Department of Energy, *Energy Information Administration*. **c** Average of weekly restricted spot price published by The Ux Consulting Company. **d** London fix rate from May 2001; Handy and Harman, commercial bar, minimum 99.9 per cent prior to May 2001. **e** Bulk grade only after January 1992, confidential after August 2007. **f** Bagged only after August 1999. **g** Based on all grades, bagged only from September 1999. **na** Not available.

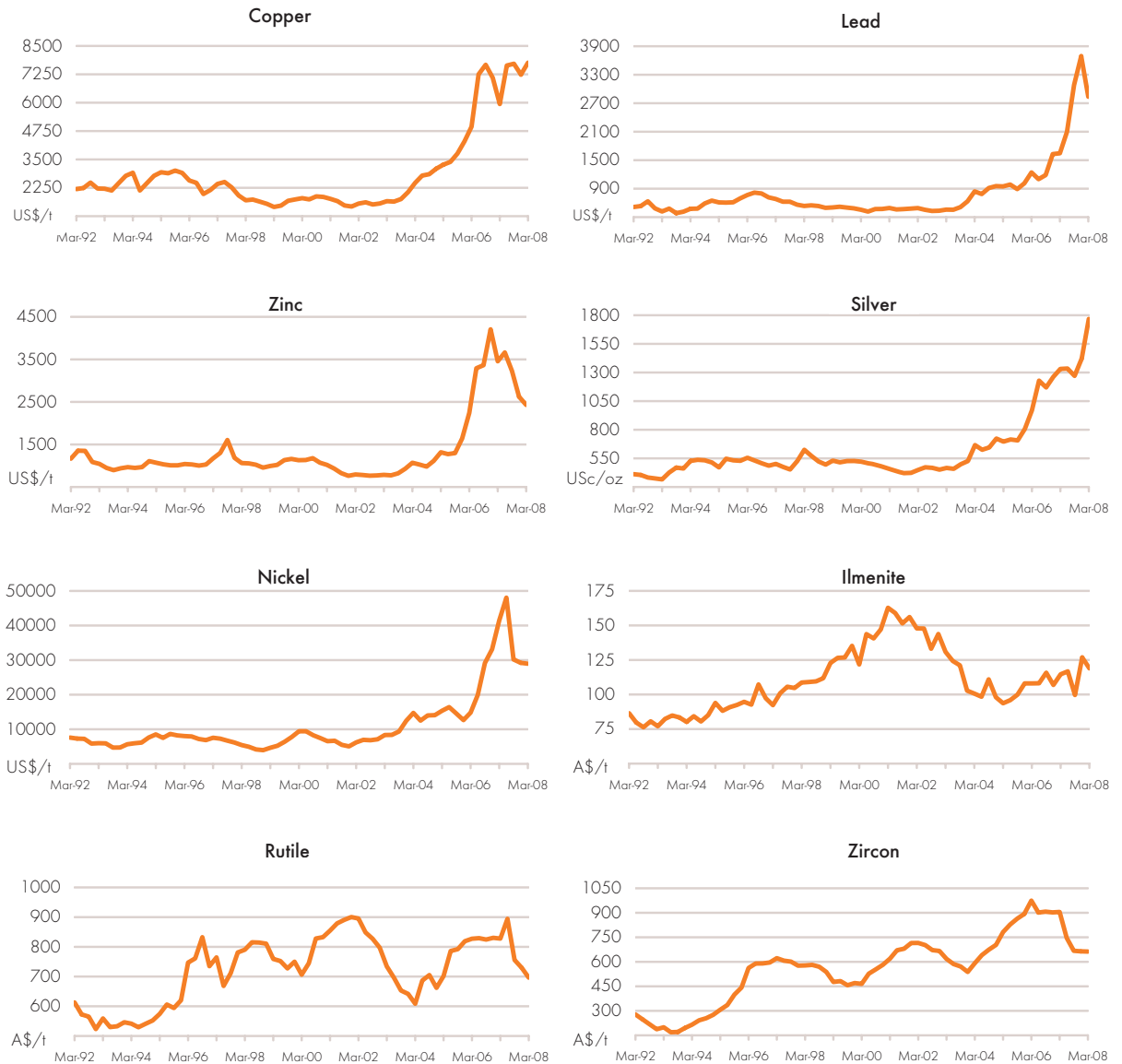
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy; ABARE.

Mineral resources prices, ended March 2008



Mineral resources prices, ended March 2008

continued



Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy, Energy Information Administration; ABARE

8 Aluminium

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine									
Bauxite									
Queensland	kt	16 158	16 969	4 487	4 272	4 125	4 095	4 285	4 215
Western Australia	kt	39 284	41 363	10 290	9 925	10 409	10 211	10 415	10 363
Northern Territory	kt	5 432	4 352	1 012	1 091	1 087	1 149	1 363	1 327
Australia	kt	60 874	62 684	15 789	15 288	15 621	15 456	16 063	15 905
Alumina content	kt	22 728	23 224	5 893	5 703	5 756	5 698	5 977	5 910
Smelter and refinery									
Alumina	kt	17 826	18 506	4 800	4 447	4 671	4 802	4 924	4 792
Aluminium (ingot metal)	kt	1 912	1 954	493	482	488	493	494	486
Exports									
Quantity									
Bauxite ^a	kt	5 639	5 700	1 433	1 329	1 575	2 191	2 061	2 005
Alumina ^{bc}	kt	14 499	15 056	4 091	3 546	3 720	3 894	4 103	3 731
Aluminium (ingot metal)									
Chinese Taipei	kt	187	153	41	30	38	49	54	48
Indonesia	kt	93	78	20	18	21	20	19	24
Japan	kt	542	634	154	157	136	159	139	167
Korea, Rep. of	kt	240	213	52	53	53	65	72	55
Malaysia	kt	87	92	22	25	27	24	29	26
Thailand	kt	192	200	52	51	51	55	54	52
Other	kt	276	268	60	70	72	66	46	48
Total	kt	1 617	1 638	402	404	398	439	413	420
Value									
Bauxite ^a	\$m	127	153	38	41	44	59	53	57
Alumina ^{bc}	\$m	5 262	6 243	1 710	1 484	1 499	1 530	1 461	1 286
Aluminium (ingot metal)	\$m	4 788	5 650	1 384	1 449	1 360	1 390	1 169	1 194
Imports									
Quantity									
Bauxite	kt	11	10	1	2	5	2	2	2
Alumina ^b	kt	1	11	2	4	3	3	3	2
Aluminium (ingot metal)	kt	6	3	1	1	1	1	1	1
Value									
Bauxite	\$m	3	3	0	1	1	0	1	1
Alumina ^b	\$m	2	12	3	3	3	3	3	3
Aluminium (ingot metal)	\$m	20	11	3	3	3	3	2	2
Prices									
Alumina ^d	A\$/t	363	415	418	418	403	393	356	345
Aluminium									
LME cash ^e	US\$/t	2 245	2 692	2 723	2 801	2 762	2 547	2 444	2 729
Australia ^d	A\$/t	2 962	3 450	3 446	3 586	3 416	3 169	2 833	2 843

^a Bauxite export quantities are not available prior to September quarter 2004. Bauxite export values up to and including June quarter 2004 are ABARE estimates. ^b Includes aluminium hydroxide. ^c Country details confidential. ^d Average export unit value. ^e High grade. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

9 Coal

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine									
Black coal, raw									
Underground	Mt	86.72	93.82	22.94	21.99	25.43	30.18	22.15	24.04
Opencut	Mt	311.65	319.91	81.51	77.30	80.76	81.92	76.29	65.86
New South Wales	Mt	161.14	169.72	43.62	40.79	41.57	45.90	43.44	41.86
Queensland	Mt	226.53	233.47	58.19	55.86	61.98	63.50	52.28	45.30
Western Australia ^a	Mt	6.30	6.18	1.55	1.55	1.55	1.58	1.60	1.62
South Australia ^a	Mt	3.80	3.60	0.89	0.91	0.91	0.96	0.96	0.96
Tasmania ^a	Mt	0.60	0.77	0.20	0.18	0.18	0.16	0.16	0.16
Australia	Mt	398.37	413.74	104.45	99.29	106.19	112.10	98.44	89.90
Black coal, salable									
Underground	Mt	67.30	74.30	18.52	17.01	19.78	23.27	18.32	18.69
Opencut	Mt	239.90	249.62	64.87	60.29	62.18	61.16	58.92	49.74
New South Wales	Mt	124.61	130.88	33.29	31.70	32.32	35.25	33.55	30.36
Queensland	Mt	171.90	182.77	47.57	42.99	47.03	46.48	40.98	35.33
Western Australia ^a	Mt	6.30	6.10	1.53	1.53	1.53	1.58	1.60	1.62
South Australia ^a	Mt	3.80	3.60	0.89	0.91	0.91	0.96	0.96	0.96
Tasmania ^a	Mt	0.58	0.56	0.11	0.17	0.17	0.15	0.15	0.15
Australia	Mt	307.19	323.92	83.38	77.30	81.96	84.43	77.25	68.43
Brown coal ^b									
Victoria ^s	Mt	67.74	71.88	na	na	na	na	na	na
Exports									
Quantity									
Metallurgical coal, high quality									
Brazil	Mt	3.17	3.05	0.86	0.75	0.73	0.90	0.98	0.62
China	Mt	2.22	2.41	0.50	1.04	0.36	0.28	0.74	0.35
Chinese Taipei	Mt	3.31	3.47	0.82	0.74	0.88	0.75	0.83	0.79
European Union 25	Mt	19.32	20.20	5.11	4.34	5.33	5.84	4.89	3.38
India	Mt	13.63	16.30	3.92	3.79	4.22	4.86	4.82	4.16
Japan	Mt	23.87	25.42	5.90	6.54	6.73	5.50	6.70	5.33
Korea, Rep. of	Mt	6.58	6.25	1.50	1.80	1.55	1.70	1.44	1.70
Other	Mt	5.39	5.72	1.66	1.43	1.19	1.38	1.43	1.30
Total	Mt	77.48	82.81	20.27	20.42	20.98	21.21	21.83	17.63
Metallurgical coal, other ^c									
Chinese Taipei	Mt	4.41	4.57	0.93	1.31	1.23	0.83	1.12	0.68
European Union 25	Mt	4.73	4.34	1.08	1.01	1.23	1.42	0.95	1.07
India	Mt	2.77	3.32	0.85	0.78	0.86	1.18	1.35	1.04
Japan	Mt	20.35	23.44	5.27	6.19	6.43	6.61	6.61	6.02
Other	Mt	10.74	13.49	3.16	2.84	4.35	3.46	3.99	3.21
Total	Mt	42.99	49.15	11.30	12.13	14.10	13.50	14.03	12.02
Total metallurgical coal	Mt	120.48	131.97	31.56	32.55	35.08	34.71	35.86	29.66
Thermal coal									
Chinese Taipei	Mt	13.21	16.23	4.11	4.26	4.15	4.09	5.28	4.08
European Union 25	Mt	2.32	3.73	1.14	0.76	1.22	0.09	0.35	1.00
Japan	Mt	59.33	58.64	14.34	15.13	14.93	16.28	17.04	17.53
Korea, Rep. of	Mt	20.24	15.06	3.64	4.12	3.30	4.11	4.04	4.54
Other	Mt	15.74	17.96	4.98	4.32	3.89	3.02	1.83	2.18
Total	Mt	110.82	111.62	28.21	28.58	27.49	27.59	28.55	29.32

continued

9 Coal

continued

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Exports									
Quantity									
Other coal	Mt	1.17	0.80	0.28	0.00	0.17	0.20	0.00	0.00
Coke ^d	Mt	na	na	na	na	na	na	na	na
Value									
Metallurgical coal									
High quality	\$m	12 203	11 010	2 796	2 749	2 456	2 305	2 249	1 973
Other quality	\$m	4 800	4 029	943	967	1 066	1 052	1 048	937
Total metallurgical coal	\$m	17 003	15 039	3 739	3 716	3 521	3 358	3 297	2 910
Thermal coal	\$m	7 206	6 758	1 704	1 715	1 635	1 694	1 793	2 085
Other coal	\$m	80	48	15	0	10	12	0	0
Total coal	\$m	24 290	21 845	5 458	5 431	5 166	5 064	5 090	4 996
Coke	\$m	59	80	13	25	28	40	19	61
Imports									
Quantity									
Coke	Mt	0.05	0.04	0.02	0.01	0.01	0.01	0.00	0.00
Value									
Coke	\$m	4	6	2	1	1	1	0	0
Prices ^e									
Metallurgical coal									
High quality	A\$/t	157.49	132.96	137.95	134.59	117.04	108.69	103.05	111.90
Other quality	A\$/t	111.65	81.97	83.50	79.73	75.59	77.95	74.70	77.96
Thermal coal	A\$/t	65.02	60.54	60.39	59.99	59.46	61.41	62.80	71.11

^a Quarterly data derived from annual ABARE estimates. ^b Quarterly data not available. ^c Country details confidential for various time periods for Brazil, Chinese Taipei, Dem. Peoples Rep. of Korea, Italy, Pakistan and Republic of Korea - commencing from October 1996. ^d Quantity details not available from August 2003. ^e Average export unit value. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

10 Copper

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine s									
Copper ore and concentrate	kt	2 826	3 060	763	768	773	773	797	816
Copper content of all minerals produced									
New South Wales ^a	kt	204	195	53	46	45	39	38	34
Queensland ^a	kt	399	338	85	86	84	88	118	94
Western Australia ^a	kt	97	114	25	27	29	31	31	34
South Australia	kt	204	183	40	54	48	34	43	36
Tasmania	kt	32	29	7	7	7	9	7	7
Australia ^a	kt	936	859	210	220	213	200	238	205
Smelter and refinery									
Blister copper (primary) ^b	kt	404	389	92	108	103	80	108	88
Refined copper (primary) ^s	kt	461	435	105	119	113	90	120	101
Exports									
Quantity									
Copper concentrate									
China ^c	kt	581	394	133	95	54	142	121	189
India	kt	494	493	71	137	149	146	131	161
Japan	kt	391	414	124	86	110	110	75	86
Korea, Rep. of	kt	68	115	15	34	29	61	39	10
Other	kt	100	77	35	0	0	10	10	18
Total	kt	1 635	1 493	379	352	343	469	376	463
Refined copper									
Chinese Taipei	kt	76	88	27	25	27	24	19	21
Indonesia	kt	30	17	7	4	3	2	3	5
Japan	kt	6	2	0	1	0	0	1	0
Singapore	kt	7	5	0	3	0	0	0	1
Thailand	kt	65	40	12	9	8	8	13	8
Other	kt	130	138	27	44	40	22	37	40
Total	kt	314	290	72	86	79	57	73	74
Copper content of all primary materials exported ^{ds}	kt	790	699	178	183	167	180	177	191
Value									
Copper concentrate	\$m	3 492	3 914	1 056	846	921	1 136	896	1 079
Refined copper	\$m	2 161	2 612	647	698	728	521	614	621
Total	\$m	5 653	6 526	1 703	1 544	1 648	1 657	1 510	1 700
Prices ^e									
LME cash	US\$/t	5 062	7 087	7 098	5 941	7 637	7 715	7 239	7 763
Australia	A\$/t	6 842	9 063	9 263	7 617	9 221	9 122	8 087	8 617

^a Includes copper cathode and copper precipitate. ^b Copper content. ^c Excludes Hong Kong. ^d Copper content of all ores and concentrates, slags, residues, intermediate products, refined copper, copper powder and flakes. ^e Based on LME cash, midday, high grade, 25 tonne warrants. ^p Preliminary. ^s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

11 Diamonds and other gemstones

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Diamonds									
Northern Territory	'000 ct	14	10	5	0	0	0	0	0
Western Australia	'000 ct	25 339	24 622	8 127	3 582	4 524	4 980	6 145	2 277
Australia	'000 ct	25 354	24 632	8 132	3 582	4 524	4 980	6 145	2 277
Exports									
Quantity									
Diamonds									
Unsorted s	'000 ct	25 226	24 359	8 116	3 566	4 306	4 960	6 128	2 255
Sorted									
Gem	'000 ct	126	272	16	16	218	20	17	22
Industrial a	'000 ct	2	1	0	0	1	0	0	0
Total s	'000 ct	25 354	24 632	8 132	3 582	4 524	4 980	6 145	2 277
Value									
Diamonds									
Unsorted s	\$m	685	602	168	161	100	147	144	100
Sorted									
Gem	\$m	151	124	31	33	25	36	38	41
Industrial a	\$m	0	0	0	0	0	0	0	0
Total s	\$m	836	726	199	194	125	183	183	141
Opals									
Rough	\$m	13	12	3	3	2	3	2	3
Cut and polished	\$m	37	30	6	9	6	9	7	13
Total	\$m	50	41	8	12	8	12	8	17
Sapphires									
Rough	\$m	1	1	0	0	0	0	0	0
Total	\$m	1	1	0	0	0	0	0	0
Other gemstones b	\$m	8	7	1	3	1	2	1	1
Total gemstones	\$m	59	49	9	16	9	13	9	18
Imports									
Quantity									
Diamonds									
Unsorted	'000 ct	1	0	0	0	0	1	1	0
Sorted									
Gem	'000 ct	1 641	421	116	116	101	135	194	90
Industrial a	'000 ct	126	158	71	35	37	98	42	13
Dust and powder	'000 ct	2 330	2 850	815	637	680	569	693	518
Value									
Diamonds									
Unsorted	\$m	1	0	0	0	0	0	0	0
Sorted									
Gem	\$m	398	392	96	104	101	103	118	112
Industrial a	\$m	2	3	1	1	0	1	1	1
Dust and powder	\$m	3	2	1	0	0	0	0	0
Total	\$m	403	397	98	106	102	104	120	113

a Excludes dust, powder and unsorted diamonds. b Includes cut and polished sapphires from 1 July 2000. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE; Department of Minerals and Energy, Western Australia; Department of Minerals and Energy, Northern Territory.

12 Gold

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine s									
Gold content of all minerals produced									
New South Wales	t	27	32	8	8	9	8	10	8
Victoria	t	6	7	2	2	1	1	2	1
Queensland	t	23	21	5	5	5	6	5	4
Western Australia	t	165	163	43	39	39	38	39	32
South Australia	t	7	7	1	2	2	2	2	1
Tasmania	t	7	4	1	1	1	1	1	1
Northern Territory	t	14	17	4	4	5	4	4	4
Australia	t	248	249	65	61	62	60	62	52
Refinery									
Primary									
Australian origin	t	209	208	54	53	50	51	51	45
Overseas origin	t	66	55	16	13	12	14	14	14
Secondary									
Australian origin	t	7	5	1	1	1	1	1	1
Overseas origin	t	99	92	15	25	36	18	34	39
total	t	380	360	87	92	99	84	100	99
Exports									
Quantity									
Refined and unrefined bullion									
China	t	1	0	0	0	0	0	0	0
Hong Kong, China	t	1	0	0	0	0	0	0	0
India	t	127	184	42	34	65	39	24	37
Japan	t	18	12	6	4	0	3	0	0
Korea, Rep. of	t	5	4	1	1	1	0	0	1
Middle East	t	3	23	5	8	10	21	2	0
United Arab Emirates	t	3	23	5	8	10	21	2	0
Singapore	t	13	18	5	4	5	0	0	0
Switzerland	t	3	37	6	15	16	24	2	0
Thailand	t	33	24	3	7	7	4	3	5
United Kingdom	t	101	71	21	19	9	15	57	46
Other	t	10	28	5	5	5	2	1	1
Total	t	315	400	93	96	118	108	89	90
Value									
Refined	\$m	7 089	10 320	2 362	2 529	3 030	2 734	2 495	2 858
Imports									
Value									
Refined and unrefined bullion	\$m	4 800	5 309	1 320	1 290	1 537	1 882	1 414	1 905
Prices									
London AM fix	US\$/oz	527	639	614	650	668	680	789	928
Australia	A\$/oz	707	814	799	829	805	804	888	1 023

^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

13 Iron

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Iron ore and concentrate a									
Western Australia s	kt	258 394	281 117	70 804	65 505	73 973	71 954	78 352	77 262
South Australia	kt	3 490	4 698	1 150	1 189	1 282	1 574	2 494	2 500
Tasmania	kt	1 931	1 838	537	602	524	607	617	602
Northern Territory	kt	na	na	na	na	na	68	271	200
Australia s	kt	263 815	287 653	72 491	67 296	75 778	74 202	81 733	80 564
Iron content s	kt	163 850	186 074	45 184	46 039	50 126	47 066	50 665	47 834
Iron and steel bs	kt	7 866	8 010	2 006	1 982	2 001	2 058	2 006	2 039
Exports									
Quantity									
Iron ore and pellets									
Pellets, sinters and briquettes	kt	1 083	718	113	335	195	288	356	215
Fines	kt	168 414	183 106	48 420	41 555	47 978	48 240	51 208	51 567
Lump and run of mine	kt	69 884	73 541	18 798	16 734	19 006	19 793	21 221	22 309
Total iron ore and pellets	kt	123 489	135 291	36 703	30 810	35 343	35 964	40 427	41 680
China c	kt	8 880	9 818	2 407	2 333	2 559	2 649	2 456	2 605
Chinese Taipei	kt	9 384	7 602	2 109	1 797	1 669	1 682	1 069	2 127
European Union 25	kt	72 313	75 080	19 002	16 826	19 713	20 313	20 466	20 015
Japan	kt	24 705	28 973	6 863	6 806	7 780	7 659	8 168	7 616
Korea, Rep. of	kt	610	602	247	52	116	53	200	49
Other	kt	239 380	257 365	67 331	58 624	67 179	68 321	72 785	74 091
Iron content	kt	148 882	159 977	41 831	36 450	41 751	42 485	45 269	46 101
Steel									
Iron and steel s	kt	2 428	2 648	674	678	663	618	561	497
Scrap	kt	1 876	1 328	405	234	465	297	430	821
Value									
Iron ore and pellets									
Pellets, sinters and briquettes	\$m	87	42	6	23	12	21	21	16
Fines	\$m	8 269	10 136	2 650	2 280	2 681	2 683	3 014	3 082
Lump and run of mine	\$m	4 499	5 334	1 359	1 199	1 392	1 439	1 504	1 631
Total	\$m	12 854	15 512	4 016	3 502	4 085	4 143	4 539	4 729
Steel									
Iron and steel s	\$m	1 674	1 743	447	444	431	401	393	447
Scrap	\$m	467	607	177	122	204	152	196	158
Total	\$m	2 141	2 350	624	566	634	554	589	606
Imports									
Quantity									
Iron ore d	kt	5 026	4 722	1 683	757	1 017	1 098	1 345	1 074
Iron and steel	kt	2 191	2 318	530	657	513	489	405	418
Ferroalloys	kt	57	87	17	14	17	17	18	38
Value									
Iron ore d	\$m	222	338	117	60	89	84	92	73
Iron and steel	\$m	2 075	2 479	610	721	609	562	493	526
Ferroalloys	\$m	123	116	35	22	30	33	35	37
Total	\$m	2 420	2 934	762	804	728	679	620	636
Prices									
Japanese negotiated e	US\$/dltu	62.72	74.63	74.63	74.63	81.73	81.73	81.73	81.73

a For use in iron and steel making; includes pellets for Tasmania. **b** Includes recovery from scrap. **c** Excludes Hong Kong. **d** Includes limonite ore used in the production of refined nickel products. **e** Indicative price: Australian hematite fines to Japan (fob), per dry long tonne unit, for Japanese fiscal year commencing 1 April. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

14 Lead

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				dec	mar	june	sept	dec	mar
Production									
Mine s									
Lead ore and concentrates	kt	1 063	908	212	242	218	219	226	234
Lead content of all minerals produced									
New South Wales	kt	109	91	27	16	20	20	16	19
Queensland	kt	532	415	85	112	112	115	121	127
Western Australia	kt	62	74	24	23	9	8	7	7
Tasmania	kt	28	29	7	7	8	8	7	8
Northern Territory	kt	31	33	9	8	8	8	9	9
Australia	kt	762	642	152	166	157	158	160	169
Smelter and refinery									
Refined lead (primary) b	kt	234	191	59	47	60	44	51	52
Domestic despatches									
Refined lead	kt	28	26	5	6	7	7	5	5
Exports									
Quantity									
Lead concentrate									
China	kt	249	166	61	43	16	14	31	4
European Union 25	kt	58	54	16	15	12	13	21	0
Japan	kt	64	53	10	10	16	5	22	21
Korea, Rep. of	kt	132	117	34	36	26	21	35	31
Other	kt	0	33	5	0	19	6	7	9
Total	kt	502	422	126	104	89	60	115	66
Lead bullion c									
United Kingdom	kt	140	112	36	21	18	46	44	27
Total	kt	140	112	36	21	18	46	44	27
Refined lead									
Chinese Taipei	kt	9	5	3	1	1	2	1	2
India	kt	33	41	10	12	10	7	8	4
Indonesia	kt	13	6	2	1	1	1	2	2
Korea, Rep. of	kt	24	42	12	12	10	12	10	10
Thailand	kt	29	12	3	2	4	4	6	2
Other	kt	135	109	25	33	31	30	21	13
Total	kt	244	215	55	62	56	57	47	33
Lead content of all primary materials exported ds	kt	756	635	180	157	142	152	169	87
Value									
Lead concentrate	\$m	711	855	202	233	232	165	315	187
Lead bullion	\$m	235	268	82	57	50	154	172	93
Refined lead	\$m	350	457	111	140	143	195	188	108
Total	\$m	1 296	1 579	395	431	425	514	675	387
Prices									
LME cash e	US\$/t	1 061	1 694	1 629	1 646	2 096	3 084	3 690	2 837
Australia f	A\$/t	1 775	2 347	2 311	2 535	2 785	3 716	4 095	3 515

a Metallic content. b Includes lead content of lead alloys from primary sources. c Includes a substantial precious metal content, mainly silver. d Lead content of all ores, concentrates, slags, residues, bullion, and refined lead. e Based on LME cash, midday, standard grade, minimum 25 tonne warrants. f Pasmnico Metals, 99.97-99.99 per cent, fob/for Port Pirie. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

15 Manganese

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Manganese ore and concentrate									
Western Australia ^s	kt	1 056	1 217	273	328	315	313	332	281
Northern Territory	kt	3 032	3 854	979	901	1 031	1 043	1 027	972
Australia ^s	kt	4 088	5 071	1 252	1 229	1 345	1 355	1 360	1 254
Manganese content ^s	kt	1 962	2 434	601	590	646	651	653	631
Exports ^a									
Quantity									
Manganese ore and concentrate	kt	3 215	4 667	1 224	1 107	1 248	1 190	1 326	1 263
Value									
Manganese ore and concentrate	\$m	424	482	124	109	136	209	263	378
Prices									
Japanese negotiated ^b	US\$/mtu	3.98	3.00	3.00	3.00	2.70	2.70	2.70	2.70
	A\$/t	256.19	183.51	187.38	183.53	156.17	153.16	145.76	143.08

^a Quarterly data derived from annual ABARE estimates to June quarter 2004. ABS data from September quarter 2004. ^b Indicative price: high grade ore (48 per cent Mn) to Japan for Japanese fiscal year commencing 1 April. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

16 Nickel

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production as									
Mine									
Nickel content									
Western Australia	kt	186	192	51	47	47	44	47	49
Australia	kt	186	192	51	47	47	44	47	49
Smelter and refinery									
Intermediate nickel	kt	47	57	16	15	13	13	12	15
Refined nickel, class 1 ^b	kt	105	104	28	23	25	27	25	26
Refined nickel, class 2 ^c	kt	10	15	3	5	4	2	3	6
Exports									
Quantity									
Nickel ^d	kt	170	215	59	52	52	51	50	57
Value									
Ores and concentrates	\$m	646	1 275	349	327	396	223	203	241
Intermediate products ^e	\$m	172	1 656	405	489	439	268	240	278
Refined nickel, class 1 ^b	\$m	2 149	4 916	1 195	1 202	1 463	950	828	836
Refined nickel, class 2 ^c	\$m	161	534	110	178	176	53	81	130
Total	\$m	3 128	8 381	2 060	2 197	2 474	1 495	1 353	1 485
Imports									
Value									
Primary nickel products ^f	\$m	128	257	77	54	84	57	88	62
Prices									
LME cash ^g	US\$/t	15 488	37 942	33 134	41 439	48 055	30 190	29 219	28 957
	A\$/t	20 778	48 353	43 116	52 813	57 908	35 678	32 863	31 970

^a Details of production of nickel metal, matte, oxide, sinter and nickel-cobalt sulphide are not available. ^b Products with a nickel content of 99 per cent or more. Includes electrolytic nickel, pellets, briquettes and powder. ^c Products with a nickel content of less than 99.8 per cent. Includes ferronickel, nickel oxides and oxide sinter. ^d Includes metal content of ores and concentrates, intermediate products and nickel metal. ^e Includes matte and speiss for further refining. ^f Includes matte, sinter and intermediate products; ferronickel, unwrought nickel metal and alloys and scrap. ^g Average cash settlement price for melting grade refined nickel. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; International Nickel Study Group; London Metal Exchange; ABARE.

17 Petroleum

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Field									
Crude oil s	ML	17 247	21 153	5 403	4 776	5 211	4 759	4 598	4 408
Condensate s	ML	7 069	7 404	1 894	1 782	1 826	1 977	1 792	1 508
Total s	ML	24 316	28 557	7 297	6 558	7 037	6 736	6 390	5 916
Production rate s	'000 bbl/day	425	499	510	458	492	471	447	413
LPG	ML	4 722	4 550	1 143	1 037	1 077	1 145	1 002	829
Ethane a	Mm ³	456	439	112	89	111	124	110	103
Natural gas a	Mm ³	38 016	39 331	9 812	9 059	10 184	10 681	10 031	8 989
Refinery									
Refinery input	ML	36 895	39 465	10 394	9 874	9 857	9 845	9 623	9 452
Refinery output									
LPG	ML	1 125	1 387	385	343	311	341	353	396
Automotive gasoline	ML	16 528	17 732	4 529	4 263	4 528	4 738	4 288	3 814
Aviation gasoline	ML	119	119	33	23	33	26	27	39
Aviation turbine fuel	ML	5 216	5 332	1 449	1 277	1 288	1 295	1 333	1 262
Kerosine	ML	12	2	0	0	1	1	0	0
Heating oil	ML	102	86	12	16	20	33	28	9
Automotive diesel oil	ML	10 154	11 055	2 659	2 908	3 173	3 133	3 156	2 926
Industrial and marine diesel fuel	ML	31	21	7	5	5	5	7	4
Fuel oil (excl. refinery fuel)	ML	1 048	942	219	216	260	225	242	242
Lubricating oil basestock	ML	163	146	41	31	39	35	18	34
Bitumen	ML	831	1 356	459	352	336	331	434	327
Other products	ML	946	616	210	123	156	180	199	314
Total	ML	36 274	38 795	10 001	9 558	10 149	10 343	10 084	9 368
Sales									
LPG									
Automotive use b	ML	2 564	2 335	579	561	603	582	566	532
Total	ML	4 050	4 038	938	940	1 070	1 118	1 002	912
Automotive gasoline									
Lead replacement c	ML	15	0	0	0	0	0	0	0
Premium unleaded	ML	1 867	1 819	475	467	449	458	469	434
Regular unleaded	ML	15 962	15 892	4 069	3 938	3 845	3 905	3 936	3 763
Other unleaded d	ML	1 204	1 539	380	415	421	500	566	567
Total	ML	19 048	19 251	4 923	4 820	4 716	4 863	4 971	4 764
Aviation gasoline	ML	86	90	22	21	23	23	22	20
Aviation turbine fuel	ML	5 359	5 837	1 519	1 416	1 416	1 477	1 546	1 497
Kerosine	ML	27	32	2	13	11	11	9	18
Heating oil	ML	25	15	1	3	5	4	2	3
Automotive diesel oil	ML	15 804	17 028	4 419	4 156	4 322	4 407	4 666	4 382
Industrial and marine diesel fuel	ML	19	15	5	2	3	3	3	3
Fuel oil	ML	1 586	1 513	371	394	375	383	406	418
Lubricating oil and greases	ML	451	421	108	103	104	110	105	105
Bitumen	ML	805	808	240	226	180	150	216	213
Other products	ML	973	699	233	173	63	64	63	61
Total	ML	48 234	49 746	12 781	12 267	12 288	12 613	13 011	12 395

continued

17 Petroleum

continued

		2005-06	2006-07 p	quarter					
				2006-07 p			2007-08 p		
				Dec	Mar	June	Sept	Dec	Mar
Exports									
Quantity									
Crude oil and other refinery feedstock									
China	ML	404	518	104	206	108	0	379	366
Chinese Taipei	ML	346	446	215	7	119	125	8	299
Japan	ML	2 201	1 957	466	543	481	650	643	410
Korea, Rep. of	ML	2 725	3 873	1 243	1 394	588	1 272	1 067	632
New Zealand	ML	465	1 045	68	237	400	147	56	81
Singapore	ML	3 110	3 752	1 072	669	714	520	506	1 191
United States	ML	297	190	99	0	0	0	360	296
Other	ML	3 478	4 183	949	895	1 324	1 302	996	681
Total	ML	13 026	15 965	4 216	3 951	3 734	4 017	4 015	3 957
LNG	Mt	12.50	15.20	3.90	3.95	3.90	3.40	3.70	3.75
LPG	ML	2 800	2 824	814	593	686	788	690	597
Refinery products									
Automotive gasoline	ML	714	771	200	134	195	271	176	79
Aviation turbine fuel	ML	127	120	43	23	27	38	39	40
Diesel fuel d	ML	419	288	55	90	56	76	133	216
Fuel oil	ML	490	209	60	73	44	85	60	78
Aviation gasoline	ML	85	81	10	8	7	32	48	7
Lubricants	ML	179	231	57	50	85	46	39	25
Other products	ML	89	62	15	17	8	7	12	5
Total	ML	2 102	1 762	440	395	421	555	507	451
Ships ¹ and aircraft stores									
Aviation turbine fuel	ML	1 893	1 893	473	473	473	473	473	473
Fuel oil	ML	259	252	63	63	63	63	63	63
Other products	ML	11	11	2	2	3	6	6	3
Total	ML	2 163	2 156	539	538	539	542	542	540
Value									
Crude oil and other refinery feedstock									
	\$m	6 638	8 317	2 070	1 922	2 009	2 236	2 537	2 564
LNG	\$m	4 416	5 222	1 396	1 275	1 188	1 173	1 443	1 505
LPG	\$m	1 002	1 038	275	218	257	305	319	299
Refinery products									
Automotive gasoline	\$m	419	468	108	78	132	172	124	58
Aviation turbine fuel	\$m	80	74	27	13	16	25	30	32
Diesel fuel d	\$m	238	188	34	54	36	54	100	157
Fuel oil	\$m	215	84	24	29	19	35	29	36
Aviation gasoline	\$m	54	69	8	7	6	22	35	6
Lubricants	\$m	139	157	37	35	54	37	34	38
Other products	\$m	52	57	14	13	12	11	14	6
Total	\$m	1 195	1 098	252	229	275	356	366	332
Total	\$m	13 251	15 675	3 993	3 644	3 729	4 071	4 664	4 700
Ships ¹ and aircraft stores									
Aviation turbine fuel	\$m	1 206	1 176	276	284	290	293	325	344
Fuel oil	\$m	107	108	27	26	26	26	27	27
Other products	\$m	9	11	2	2	3	6	5	4
Total	\$m	1 322	1 295	305	312	320	326	357	375

continued

17 Petroleum

continued

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Imports									
Quantity									
Crude oil and other refinery feedstock									
Indonesia	ML	3 929	3 391	885	1 119	836	1 010	675	743
Malaysia	ML	3 976	3 730	905	947	1 293	1 244	873	1 310
Middle East									
Qatar	ML	0	106	0	106	0	0	0	0
Saudi Arabia	ML	1 602	1 151	354	389	218	157	287	14
United Arab Emirates	ML	863	2 971	489	592	1 013	1 056	1 000	780
other	ML	199	118	42	0	0	0	0	120
Total Middle East	ML	2 664	4 346	885	1 087	1 231	1 213	1 287	914
New Zealand	ML	638	635	99	173	271	423	462	528
Papua New Guinea	ML	2 386	2 059	472	572	543	732	629	412
Singapore	ML	829	841	282	185	215	156	251	183
Viet Nam	ML	6 708	6 677	1 652	1 745	1 224	1 486	2 167	1 445
Other	ML	3 286	3 665	1 051	773	980	701	781	872
Total	ML	24 416	25 345	6 230	6 600	6 594	6 965	7 123	6 408
Refined products									
LPG	ML	599	748	254	78	239	268	173	183
Automotive gasoline	ML	3 687	2 912	823	830	712	524	706	1 313
Aviation turbine fuel	ML	817	1 045	177	292	314	401	375	508
Diesel fuel ^d	ML	6 122	5 439	1 342	1 113	1 672	1 505	1 813	2 052
Fuel oil	ML	1 418	1 363	269	353	451	291	471	434
Lubricants	ML	370	365	81	93	92	94	105	99
Other products	ML	2 111	6 414	1 516	1 616	1 780	1 705	1 075	1 826
Total	ML	15 124	18 286	4 462	4 377	5 260	4 788	4 717	6 416
Value									
Crude oil and other refinery feedstock									
	\$m	12 820	13 360	3 061	3 196	3 574	3 882	4 417	4 286
Refined products									
LPG	\$m	198	261	85	27	84	101	81	92
Automotive gasoline	\$m	2 342	1 872	481	496	487	345	503	1 017
Aviation turbine fuel	\$m	527	668	108	173	196	263	272	385
Diesel fuel ^d	\$m	4 071	3 466	819	636	1 058	991	1 300	1 650
Fuel oil	\$m	569	536	101	129	183	128	229	225
Lubricants	\$m	418	495	118	125	120	112	120	117
Other products	\$m	637	1 285	308	320	359	315	240	419
Total	\$m	8 761	8 583	2 021	1 905	2 488	2 255	2 745	3 906
Total	\$m	21 581	21 943	5 082	5 101	6 062	6 137	7 162	8 192
Prices									
Dubai	US\$/bbl	58.30	60.66	57.63	54.03	64.58	70.33	82.45	89.00
West Texas intermediate	US\$/bbl	64.22	63.30	59.96	58.02	64.79	75.35	87.50	91.73
Brent	US\$/bbl	62.44	63.48	59.68	56.80	67.81	75.06	86.50	91.25
Tapis	US\$/bbl	66.72	69.32	63.32	63.55	74.99	79.64	93.34	102.29
World trade weighted average	US\$/bbl	57.25	59.45	54.99	52.50	64.62	72.15	81.35	88.00
	A\$/bbl	76.80	75.77	71.56	66.91	77.87	85.27	91.49	97.16

^a Commercial sales plus field and plant usage. ^b This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributors etc. which are subsequently used or sold for automotive use. ^c Leaded petrol phased out as at 1 January 2002. Lead replacement petrol (LRP) introduced as at 1 January 2002. ^d Includes automotive diesel oil and industrial and marine diesel fuel. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; Department of Resources, Energy and Tourism, Canberra; US Department of Energy, *Energy Information Administration*; Tokyo Commodity Exchange; ABARE.

18 Petroleum production, by basin

	Crude oil ML	Condensate ML	Total crude oil and condensate		LPG (naturally occurring) ^a	Ethane ^a	Natural gas ^a
			ML	'000 bbl/day	ML	Mm ³	Mm ³
December quarter 2007							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Amadeus	13.6	0.0	13.6	1.0	0.0	0.0	137.4
Bonaparte	135.6	0.0 ^s	135.6 ^s	9.5 ^s	0.0	0.0	0.0
Bowen-Surat	3.7	4.9	8.6	0.6	6.1	0.0	151.5
Canning	1.2	0.0	1.2	0.1	0.0	0.0	0.0
Carnarvon							
Barrow Island	361.3	0.0	361.3	25.2	0.0	0.0	499.4
North West Shelf	1 145.9 ^s	1 485.6	2 631.5 ^s	183.9 ^s	418.8	0.0	6 424.0
Other	1 402.8 ^s	40.7	1 443.4 ^s	100.9 ^s	0.0	0.0	269.4
Cooper-Eromanga							
Queensland	231.8	40.6	272.5	19.0	0.0	0.0	0.0
South Australia	346.7	45.4	392.0	27.4	140.1	64.1	679.0
Gippsland	767.9	174.1	942.0	65.8	437.4	46.4	1 789.4
Otway	0.0	0.2	0.2	0.0	0.0	0.0	4.4
Perth	187.4	0.5	187.9	13.1	0.0	0.0	73.8
Total	4 597.8 ^s	1 792.0 ^s	6 389.8 ^s	446.6 ^s	1 002.5	110.5	10 031.2
March quarter 2008 p							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Amadeus	12.5	0.0	12.5	0.9	0.0	0.0	136.1
Bonaparte	136.3	0.0	136.3	9.5	0.0	0.0	0.0
Bowen-Surat	4.9	4.4	9.4	0.7	6.1	0.0	64.3
Canning	1.1	0.0	1.1	0.1	0.0	0.0	0.0
Carnarvon							
Barrow Island	1 190.0	0.0	1 190.0	83.2	0.0	0.0	462.2
North West Shelf	775.7	1 250.2	2 026.0	141.6	303.4	0.0	5 817.5
Other	780.5	34.5	815.0	57.0	0.0	0.0	280.1
Cooper-Eromanga							
Queensland	235.7	40.9	276.6	19.3	0.0	0.0	0.0
South Australia	373.7	43.9	417.6	29.2	139.9	64.0	691.2
Gippsland	734.9	133.8	868.6	60.7	379.3	39.2	1 475.2
Otway	5.1	0.1	5.3	0.4	0.0	0.0	2.8
Perth	157.5	0.5	157.9	11.0	0.0	0.0	56.7
Total	4 407.9	1 508.3	5 916.2	413.5	828.7	103.2	8 989.0
2006-07							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	11.6
Amadeus	54.8	0.0	54.8	1.0	0.0	0.0	531.8
Bonaparte	1 469.7	394.0 ^s	1 863.7 ^s	32.6 ^s	0.0	0.0	0.0
Bowen-Surat	21.0	21.2	42.2	0.7	24.3	0.0	555.0
Canning	2.4	0.0	2.4	0.0	0.0	0.0	0.0
Carnarvon							
Barrow Island	389.7	8.5	398.1	7.0	0.0	0.0	1 937.3
North West Shelf	5 849.7 ^s	5 692.2	11 541.9 ^s	201.7 ^s	2 067.3	0.0	23 802.9
Other	7 043.9 ^s	134.2	7 178.1 ^s	125.4 ^s	0.0	0.0	1 145.2
Cooper-Eromanga							
Queensland	791.3	166.8	958.2	16.7	0.0	0.0	0.0
South Australia	1 116.1	238.6	1 354.7	23.7	550.5	249.2	3 542.1
Gippsland	3 598.1	743.8	4 341.9	75.9	1 907.8	190.2	7 415.9
Otway	0.0	1.8	1.8	0.0	0.0	0.0	76.6
Perth	816.4	2.6	819.0	14.3	0.0	0.0	313.1
Total	21 153.1 ^s	7 403.7 ^s	28 556.8 ^s	499.0 ^s	4 550.0	439.4	39 331.3

^a Commercial sales plus field and plant usage. ^p Preliminary. ^s ABARE estimate.

Sources: Department of Resources, Energy and Tourism, Canberra; ABARE.

19 Sales of petroleum products, by state marketing area

	NSW ^a	Vic.	QLD	WA	SA	Tas.	NT	Aust.
	ML	ML	ML	ML	ML	ML	ML	ML
March quarter 2008 ^p								
LPG ^b								
Automotive use ^c	156	213	56	48	54	3	2	532
Total	254	330	140	76	89	17	6	912
Automotive gasoline								
Premium unleaded	120	103	105	58	27	16	4	434
Regular unleaded	1 160	992	808	395	282	99	28	3 763
Other unleaded ^d	219	95	197	34	20	2	0	567
Total	1 499	1 190	1 109	486	329	118	32	4 764
of which sales to retailers	1 159	938	713	404	249	53	17	3 532
Aviation gasoline	4	3	6	3	1	1	2	20
Aviation turbine fuel	668	242	311	174	58	9	34	1 497
Kerosine	1	1	16	0	0	0	0	18
Heating oil	1	0	0	0	0	2	0	3
Automotive diesel oil	913	754	1 179	980	296	106	154	4 382
of which sales to retailers	314	291	292	180	69	9	13	1 168
Industrial and marine diesel fuel	2	0	1	0	0	0	0	3
Fuel oil ^e	136	84	21	55	3	0	118	418
Lubricating oil and greases	28	24	26	15	9	2	2	105
Bitumen	46	61	58	21	18	8	2	213
Other products ^f	32	9	13	3	3	0	1	61
Total	3 584	2 698	2 880	1 815	806	261	350	12 395
2006-07								
LPG ^b								
Automotive use ^c	632	975	311	173	220	20	5	2 335
Total	1 163	1 497	622	316	353	66	21	4 038
Automotive gasoline								
Premium unleaded	590	393	428	218	108	66	16	1 819
Regular unleaded	4 962	4 041	3 504	1 662	1 202	393	129	15 892
Other unleaded ^d	545	347	482	98	61	7	0	1 539
Total	6 097	4 780	4 413	1 978	1 371	465	146	19 251
of which sales to retailers	4 945	3 784	3 085	1 690	1 049	215	56	14 825
Aviation gasoline	16	15	27	17	6	2	8	90
Aviation turbine fuel	2 376	1 085	1 099	881	194	31	171	5 837
Kerosine	5	4	20	2	0	1	1	32
Heating oil	5	3	1	0	3	3	0	15
Automotive diesel oil	3 617	2 753	4 890	3 727	1 133	360	547	17 028
of which sales to retailers	1 225	1 105	1 078	672	258	39	35	4 412
Industrial and marine diesel fuel	8	0	6	0	0	0	0	15
Fuel oil ^e	484	252	103	168	0	19	486	1 513
Lubricating oil and greases	109	92	119	59	29	7	5	421
Bitumen	177	180	279	98	52	17	5	808
Other products ^f	98	497	75	18	10	1	1	699
Total	14 155	11 158	11 655	7 264	3 151	972	1 392	49 746

^a Includes Australian Capital Territory. ^b Includes sales for petrochemical feedstock. ^c This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributors etc. which are subsequently used or sold for automotive use. ^d Includes proprietary brand and other blends. ^e Excludes refinery fuel. ^f Sales of LPG for petrochemical feedstock are included in LPG sales. ^p Preliminary.

Source: Department of Resources, Energy and Tourism, Canberra.

20 Phosphate

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Single superphosphate ^{as}	kt	1 309	944	291	111	296	186	558	218
Imports									
Quantity									
Phosphate rock									
China	kt	86	23	0	22	1	1	30	0
Morocco	kt	405	343	127	17	95	50	186	78
Nauru	kt	0	27	0	0	27	27	27	31
Togo	kt	48	0	0	0	0	0	0	0
Other	kt	116	79	18	17	25	15	36	0
Total	kt	655	472	146	55	148	93	279	109
Phosphates									
Diammonium ^b	kt	202	83	0	54	29	6	67	107
Monammonium ^c	kt	528	443	11	239	143	21	122	242
High analysis ^d	kt	310	166	3	50	107	0	15	32
Value									
Phosphate rock	\$m	42	32	8	4	11	7	23	8
Phosphates									
Diammonium ^b	\$m	74	32	0	19	13	3	36	83
Monammonium ^c	\$m	190	182	4	89	69	9	60	165
High analysis ^d	\$m	59	54	1	11	40	0	6	16
Prices									
Australia ^e	A\$/t	16.17	14.74	17.40	12.98	13.49	13.38	12.36	13.55

^a Single superphosphate manufactured from imported phosphate rock; P₂O₅ equivalent: 21 per cent. ^b P₂O₅ equivalent: 46 per cent. ^c P₂O₅ equivalent: 50 per cent. ^d P₂O₅ equivalent: 48 per cent. ^e Average import unit value. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

21 Salt

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Australia ^{as}	kt	11 467	10 687	3 072	2 569	2 569	2 899	2 764	2 790
Exports									
Quantity									
Bulk, bagged and table	kt	10 776	10 749	2 964	2 575	2 821	2 396	2 848	1 861
Value									
Bulk, bagged and table	\$m	229	239	62	60	62	53	60	41
Prices									
Australia ^b	A\$/t	21.29	22.24	21.08	23.33	22.04	21.92	20.96	22.04

^a Combination of sales and production data, excludes Victoria. ^b Average export unit value. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

22 Silver

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine ^s									
Silver content of all minerals produced									
New South Wales	t	96	81	23	14	19	13	24	19
Queensland	t	1 862	1 347	253	400	379	379	370	423
Western Australia	t	103	85	24	17	27	42	27	17
South Australia	t	34	28	8	6	7	7	7	7
Tasmania	t	86	96	22	27	26	25	26	25
Northern Territory	t	38	38	10	10	9	9	10	9
Australia	t	2 218	1 674	340	474	467	475	464	500
Refinery									
Refined silver	t	655	618	165	156	156	174	138	149
Exports									
Quantity									
Refined silver bullion	t	482	431	104	106	126	91	90	96
Value									
Refined silver ^a	\$m	197	221	54	52	67	49	46	56
Imports									
Value									
Refined silver bullion	\$m	33	98	23	42	4	4	21	26
Prices									
World ^b	US\$/oz	928	1 274	1 262	1 331	1 334	1 270	1 422	1 768
Australia ^c	A\$/kg	399	520	526	542	515	480	514	624

^a Includes refined bullion, powder, unwrought silver and semi manufactured forms. ^b London Bullion Market Association, fixed rate. ^c Pasmenco Metals, fob/fot Port Pirie. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

23 Tin

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine									
Tin content of all minerals produced									
Queensland ^s	t	564	3 218	1 912	556	548	391	536	483
Western Australia ^s	t	590	149	49	30	10	0	0	0
Tasmania	t	1 799	0	0	0	0	0	0	0
Australia ^s	t	1 805	2 061	1 961	586	558	391	536	483
Smelter and refinery									
Refined tin (primary) ^s	t	736	321	97	68	50	0	0	0
Domestic despatches ^s									
Tin concentrate	t	788	196	65	40	11	na	na	na
Tin content	t	590	147	49	30	8	na	na	na
Exports									
Quantity									
Tin concentrate	t	2 186	3 172	731	1 105	966	669	1 290	3 499
Refined tin	t	395	36	2	28	6	181	3	1
Tin content of primary materials exported ^{bs}	t	1 556	1 867	433	663	550	569	751	1 299
Value									
Tin concentrate	\$m	9	25	5	9	8	6	7	18
Refined tin	\$m	3	0	0	0	0	3	0	0
Total	\$m	12	25	5	9	8	9	7	18
Imports									
Quantity									
Refined tin	t	618	574	182	137	121	126	127	181
Value									
Refined tin	\$m	6	8	2	2	2	2	2	3
Prices									
LME ^c	US\$/t	7 403	11 455	10 335	12 729	14 103	14 983	16 342	17 783

^a Primary and secondary. ^b Tin content of tin ores and concentrates and refined tin. ^c LME official close. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

24 Titanium minerals

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Ilmenite concentrate									
New South Wales ^s	kt	55	179	32	39	64	47	57	43
Queensland ^s	kt	165	177	43	39	43	45	57	57
South Australia	kt	0	0	0	0	0	0	0	10
Western Australia	kt	1 965	2 036	521	513	464	485	470	474
Northern Territory	kt	0	1	0	0	0	0	1	1
Australia ^s	kt	2 185	2 393	598	592	572	578	584	585
Leucoxene concentrate									
New South Wales ^s	kt	14	69	18	11	29	23	20	10
Victoria	kt	0	1	0	0	1	0	1	2
South Australia	kt	0	0	0	0	0	0	0	1
Western Australia	kt	74	104	29	22	22	18	21	17
Northern Territory	kt	0	1	0	0	0	0	1	1
Australia ^s	kt	87	174	48	34	52	42	43	29
Rutile concentrate									
New South Wales ^s	kt	2	56	16	12	13	16	16	15
Victoria	kt	0	22	0	6	16	18	19	19
Queensland ^s	kt	70	71	16	17	17	20	25	20
South Australia	kt	0	0	0	0	0	0	0	1
Western Australia	kt	112	126	35	30	28	25	28	30
Northern Territory	kt	0	2	1	1	1	1	1	1
Australia ^s	kt	184	279	68	66	76	80	90	87
Synthetic rutile ^s	kt	711	729	181	175	190	179	182	151
Titanium dioxide pigment ^s	kt	208	207	55	51	52	53	52	50
Exports									
Quantity									
Ilmenite concentrate ^a	kt	722	999	312	248	169	224	234	257
Leucoxene concentrate	kt	86	123	23	46	26	47	3	3
Rutile concentrate ^s	kt	169	307	80	77	82	87	99	102
Synthetic rutile ^s	kt	472	508	131	112	126	131	128	126
Titanium dioxide pigment	kt	177	171	39	40	48	45	44	43
Value									
Ilmenite concentrate ^a	\$m	76	113	33	28	20	22	30	31
Leucoxene concentrate	\$m	25	35	7	10	8	9	2	2
Rutile concentrate ^s	\$m	138	259	66	64	74	66	72	71
Synthetic rutile ^s	\$m	321	361	91	78	96	82	78	74
Titanium dioxide pigment	\$m	441	408	96	97	107	101	94	92
Prices ^b									
Ilmenite concentrate									
Bulk	A\$/t	106	113	107	115	117	100	na	na
Leucoxene concentrate									
Bulk	A\$/t	226	249	258	196	230	166	na	na
Bagged	A\$/t	537	679	677	688	639	629	598	659
Rutile concentrate									
Bagged	A\$/t	897	861	867	884	802	749	730	710
Titanium dioxide pigment	A\$/t	2 486	2 391	2 454	2 402	2 253	2 245	2 117	2 112

^a From January 1992, bulk only. ^b Average export unit value. ^p Preliminary. ^s ABARE estimate. ^{na} Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

25 Uranium

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine									
Uranium oxide (U ₃ O ₈)	t	9 974	9 594	2 715	2 081	2 670	2 473	2 921	2 510
Uranium (U content)									
South Australia	t	4 062	3 674	893	912	1 001	941	1 160	1 003
Northern Territory	t	4 396	4 461	1 409	853	1 264	1 156	1 317	1 125
Australia	t	8 458	8 135	2 302	1 765	2 264	2 097	2 477	2 128
Exports ^a									
Quantity									
Uranium oxide (U ₃ O ₈)	t	10 253	9 519	3 005	1 725	2 933	2 486	3 088	2 385
Value									
Uranium oxide (U ₃ O ₈)	\$m	546	660	194	142	198	285	259	172
Prices									
Uranium oxide (U ₃ O ₈)									
Industry spot ^b	US\$/lb	36.79	81.17	65.00	85.00	124.67	98.33	89.33	74.00
Australia ^c	A\$/kg	53.24	69.28	64.61	82.43	67.54	114.50	83.93	72.11

^a Country details not available. ^b Average of weekly restricted spot price, published by The Ux Consulting Company. ^c Average export unit value. ^p Preliminary.
Sources: Australian Bureau of Statistics, Canberra; The Ux Consulting Company; ABARE.

26 Zircon

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Zircon concentrate									
New South Wales ^s	kt	0	37	11	10	12	12	11	13
Victoria	kt	0	49	0	13	35	39	40	38
Queensland ^s	kt	52	56	13	13	15	20	18	14
South Australia		0	0	0	0	0	0	0	5
Western Australia	kt	390	412	113	96	97	73	83	74
Northern Territory	kt	0	7	2	3	2	3	4	4
Australia ^s	kt	442	561	139	135	161	148	156	147
Exports									
Quantity									
Zircon concentrate ^s	kt	438	555	137	143	152	152	163	161
Value									
Zircon concentrate ^s	\$m	398	478	123	130	113	101	108	107
Prices ^a									
Zircon concentrate									
All grades - bagged	A\$/t	1 055	1 111	1 147	1 130	1 058	1 059	987	923

^a Average export unit value. ^p Preliminary. ^s ABARE estimate.

27 Zinc

		2005-06	2006-07 ^p	quarter					
				2006-07 ^p			2007-08 ^p		
				Dec	Mar	June	Sept	Dec	Mar
Production									
Mine ^s									
Zinc ore and concentrates	kt	2 564	2 508	580	605	716	744	897	697
Zinc content of all minerals produced									
New South Wales	kt	178	147	45	27	33	35	31	33
Queensland	kt	855	843	204	212	224	226	217	221
Western Australia	kt	113	144	48	25	49	57	51	41
South Australia	kt	0	4	0	0	4	13	69	12
Tasmania	kt	89	97	20	25	29	26	22	26
Northern Territory	kt	144	140	36	35	36	35	33	33
Australia	kt	1 380	1 375	352	324	375	392	423	365
Smelter and refinery									
Refined zinc (primary)	kt	446	496	129	119	127	127	129	121
Domestic despatches									
Refined zinc	kt	78	87	25	19	22	21	20	21
Exports									
Quantity									
Zinc concentrates									
Belgium-Luxembourg	kt	10	51	11	14	13	26	22	52
China	kt	198	426	93	56	207	204	249	153
Germany	kt	30	36	31	6	0	0	0	0
Japan	kt	375	315	77	49	75	72	93	69
Korea, Rep. of	kt	504	343	111	77	90	79	95	82
Netherlands	kt	384	284	80	58	56	97	90	58
Spain	kt	120	257	84	61	63	44	64	19
Other	kt	201	236	43	78	74	48	63	55
Total	kt	1 821	1 948	531	398	578	568	677	490
Refined zinc									
Chinese Taipei	kt	77	79	25	18	21	19	19	24
Hong Kong, China	kt	127	103	24	22	19	19	25	18
Indonesia	kt	11	17	4	3	4	4	3	4
Malaysia	kt	32	17	3	7	3	4	4	6
New Zealand	kt	13	12	3	3	3	3	3	3
United States	kt	10	5	5	0	0	0	0	0
Other	kt	118	141	27	46	50	63	39	50
Total	kt	388	374	92	99	100	111	94	105
Zinc content of all primary materials exported ^{as}									
	kt	1 328	1 321	349	293	374	387	409	339
Value									
Zinc concentrates	\$m	1 542	2 590	771	514	696	684	631	382
Refined zinc	\$m	998	1 707	437	485	424	454	314	270
Total	\$m	2 540	4 298	1 208	999	1 121	1 138	945	651
Prices									
LME cash ^b	US\$/t	2 118	3 672	4 207	3 456	3 664	3 229	2 623	2 429
Australia ^c	A\$/t	2 874	4 952	5 362	5 160	4 611	4 341	3 414	2 909

^a Zinc content of all ores, concentrates, slags, residues, intermediate products, refined zinc, zinc powders, flakes and dust. ^b LME cash, midday, registered brands, minimum 98 per cent, 25 tonne warrants. ^c EZ Industries, Prime Western, 98.5 per cent. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.